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The



CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

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NOVEMBER 25, 1933

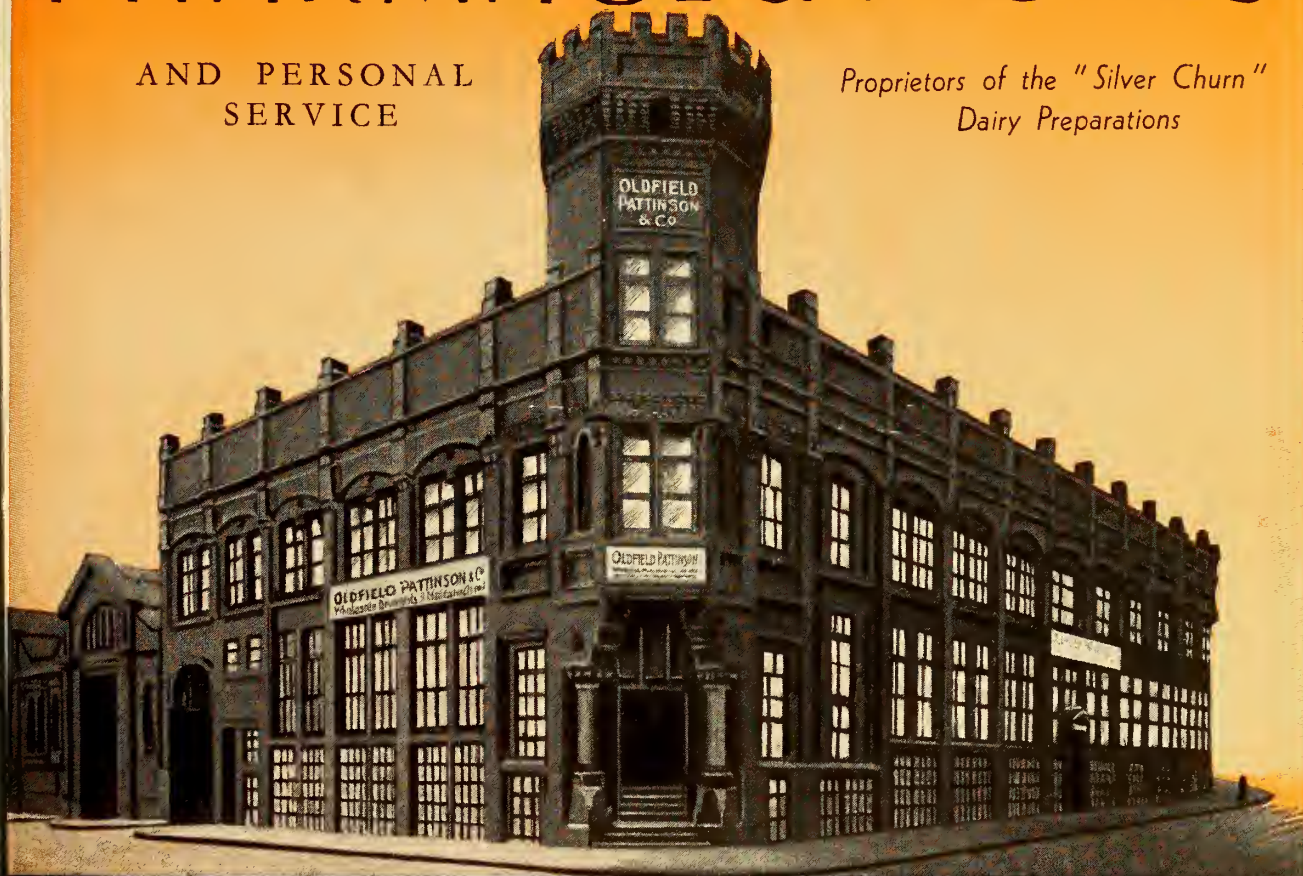
*Annual Subscription (with
Diary) 20/-. Single Copies 9d.*

THE BEST HOUSE FOR

PHARMACEUTICALS

AND PERSONAL
SERVICE

*Proprietors of the "Silver Churn"
Dairy Preparations*



OLDFIELD, PATTINSON & CO.
MANCHESTER

Telegrams :
"Opium Manchester."

Telephones :
Blackfriars 4682 (2 lines).

**News to
Women!
KOTEX
PRICES
REDUCED**



**9d for 6
pads**

1/6 for 12 pads

● Comfort news! Health news! Economy news! Kotex—the ideal sanitary towel—is radically reduced in price. Now, you need experiment no longer with doubtful substitutes. Rely completely on Kotex safety, Kotex comfort, softness and absorbency. Know that the ends, flattened and tapered, are inconspicuous under the smoothest-fitting frock. Feel sure of yourself at all times, under any circumstances, with Kotex for protection. Buy it, right now at the new low prices, at any chemist's or draper's.

**9d for 6
pads**

1/6 for 12 pads

NOT APPLICABLE IN I.F.S.

EMPIRE PRODUCT—MADE IN CANADA

★ Above is shown a reduced illustration of one of the series of Kotex advertisements appearing in the Mirror and Sketch. Both are Daily Papers of feminine appeal. The combined circulation is 2,083,803.

**★2,083,803
advertisements
per week...
support Kotex stockists!**

Regularly every week in the Daily Mirror and Daily Sketch you will see Kotex advertising . . . large, boldly displayed announcements emphasising the superior qualities of Kotex, stressing the new reduced prices. This advertising reaches women all over the country—its message is sending new customers to your store and cementing old friendships.

To-day, Kotex with its high standard of quality, unique features, and new economy prices, offers you greater profit opportunities than ever before.

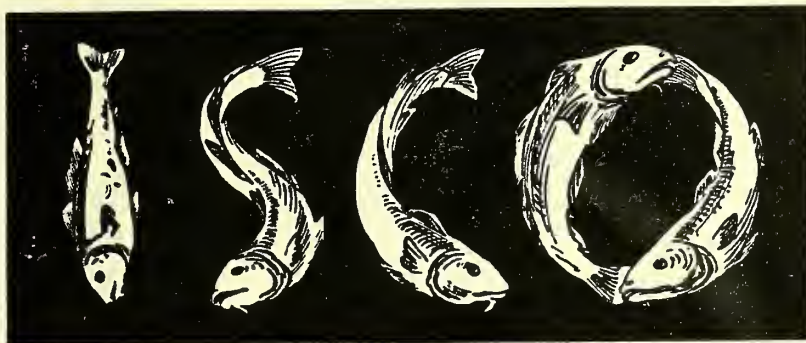
An entirely new field of customers has been opened up by the introduction of the new prices and repeat orders are assured by the maintenance of the same high standard of quality for which the name of Kotex is famous the world over.

The product is right—the price is right—your margin of profit is generous—it only remains for you to link up your store with Kotex national advertising by prominent display, to assure greatly increased turnover of this very profitable line.

Here again we give you every support. Ample Kotex display material is available and is supplied *free* of charge. Get it from your wholesaler or write direct.

KOTEX LIMITED
317, HIGH HOLBORN, LONDON, W.C.1

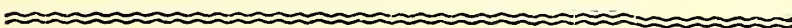
FINEST MEDICINAL NON-FREEZING



BRAND **COD LIVER OIL**



BUY BRITISH

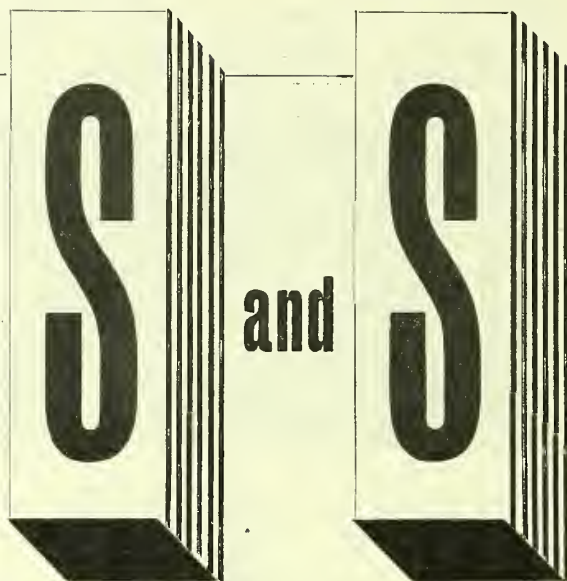


Selected and specially graded. High Vitamin Test

ISAAC SPENCER & CO.

(ABERDEEN) LIMITED
ALBERT QUAY
ABERDEEN, SCOTLAND



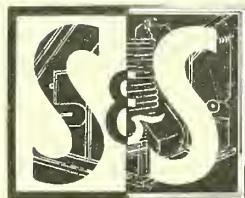


Printers to the Chemist for 112 years

From the times when the popular view was that labelling and packaging were of little importance, we have realised that fine printing is half the selling problem.

One cannot alter a glass bottle, but it is possible to improve its appearance by adding a well printed label, or, alternatively, you can condemn its existence to a permanent position in your stock by badly labelling it.

We have appreciated the necessity of specialising in those printing requirements peculiar to the Pharmacy business for 112 years and have also recently purchased the original plates and engravings of Messrs. J. F. Wilkinson, Manchester, and are thus able to give an improved service and continuity of satisfaction to all those Chemists who have hitherto availed themselves of these resources.



SUTTLEY & SILVERLOCK LTD.

184 STRAND, LONDON, W.C.2 + TEMPLE BAR 3464

Christmas Best Sellers this year—will be the

COTY

GOOD LUCK

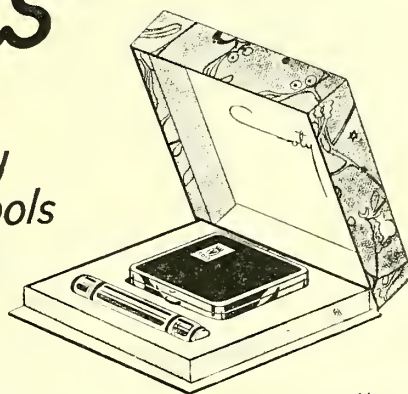
Coffrets

*Every Coffret gay
with 'Good Luck' symbols*



No. 36.
"Good Luck" Coffret
containing a bottle of
Coty Eau de Cologne and
a tablet of Coty Soap.

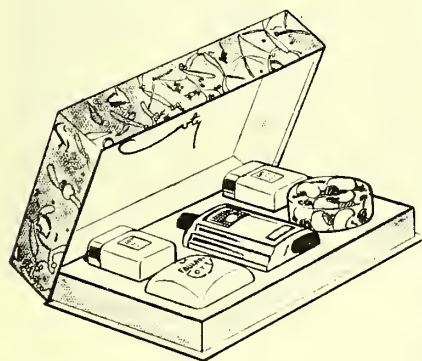
6/-



No. 4.
A beautiful Coty "La-
quer" Compact and a
Coty "de luxe" Lipstick

6/6

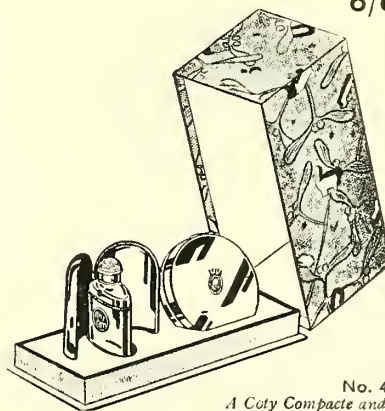
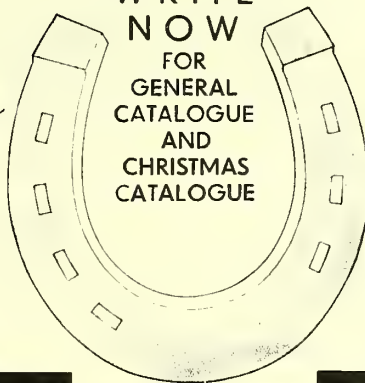
Never before have even the Coty designers created such fascinating Coffrets as those for Christmas 1933—gay with 'good luck' charms. Concentrated national advertising is going to tell the public well in advance about this splendid new Coty idea. It's up to you to get ready in advance—to meet the enormous demand that's bound to be created.



No. 12.
A complete "Beauty
Ensemble."

12/6

WRITE
NOW
FOR
GENERAL
CATALOGUE
AND
CHRISTMAS
CATALOGUE



No. 41.
A Coty Compact and a
bottle of Coty Perfume
in a charming "platinum
tone" handbag presenta-
tion case.

10/6

COTY (ENGLAND) LTD.
Coty House, 3 Stratford Place,
London. W.1

*Make better Ginger Wine Essence
— at less Cost!*

BY USING

OUR OFFER

We will gladly furnish you with a sample of our non-Alcoholic Ginger Wine Essence, made from our Oleo-resin, together with formula.

WRITE TODAY!



**STAFFORD ALLEN
& SONS LTD.**
Manufacturing Chemists

Staff Allen & Sons
OLEO-RESIN
of
GINGER



Established 1833
COWPER STREET, LONDON, E.C.2

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[Continued overleaf.]

Elasto

Regd

*For Varicose Veins,
Varicose Ulcers, Eczema, Piles
and all diseases of the veins
and arteries.*

HERE IS A SPLENDID OPPORTUNITY
FOR EXTRA SALES. "ELASTO"
IS A NON-COMPETITIVE LINE—
ITS SALES MEAN NEW BUSINESS.

*Increased advertising now in force.
We advise you to show Elasto—It
sells on sight!*

Prepared in the Laboratories of

THE NEW ERA TREATMENT CO. LTD.

(Dept. C.1.),

CECIL HOUSE - HOLBORN VIADUCT
LONDON, E.C.

Full particulars, Showcards, and Leaflets on request



**Elasto
Nature
Salve**

3/- a box

Wholesale

27/- a doz. From your wholesaler

**Elasto
Tablets**

5/- a box
(One month's supply)

Wholesale
45/- a doz.



P.A.T.A.

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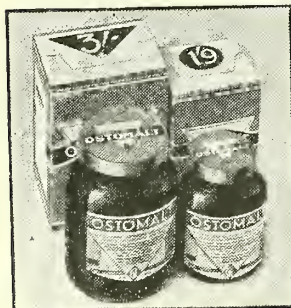
BIGGER DISCOUNT on OSTOMALT and prices lowered!

A bigger sale—and a bigger discount! That's what the new Ostomalt prices and terms mean to you.

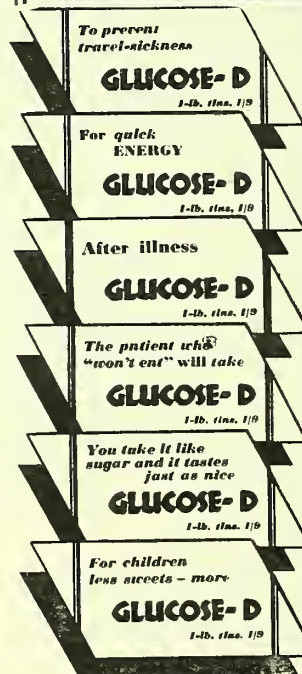
Ostomalt is a most attractive proposition to sell. It is an economy preparation. Three times as rich in the tonic (vitamins A and D) value of oil-and-malt, and being highly concentrated, is taken in teaspoonfuls, not tablespoonfuls. So it also lasts three times as long.

Thus, at the new low prices, Ostomalt is the most genuinely economical, as well as the finest, all-round vitamin malt tonic you can offer.

The prices are: $\frac{1}{2}$ lb. jars now 1/9; 1 lb. jars now 3/-. And the discount is increased!



Display the 'SALES-POINT'



CARDS

GLUCOSE-D, the reinforced glucose, is enjoying a popularity that is bringing substantial benefit to every wise pharmacist. And it is available not only at the usual terms but also in special display parcels which show a profit on sales of 331%. These parcels can be obtained all the year round—no time limit—and provide an even more profitable way of selling Glucose-D.

The "buying reasons" for this energy-making product are enumerated, simply and forcibly, on six "sales-point" cards that are available on request to all pharmacists stocking Glucose-D. Write for them—they are small and striking. They fill up odd corners—and arouse interest! A larger showcard and a pile of 8-page booklets are included in every display parcel.

1/9 per 1 lb. tin.

10/6 per 7 lb. tin.

Get particulars of the
DISPLAY PARCELS.

GLAXO LABORATORIES :: 56 OSNABURGH STREET, LONDON, N.W.1. :: Tel.: Museum 8040.



Cold, Pure and Healthgiving

is the air where Norwegian cod fisheries are situated. The cod liver oil is extracted from the fresh livers a few hours only after the fish have been caught.

This accounts for the outstanding quality of Norwegian medicinal cod liver oil, which is practically free from taste or smell and has a pure, limpid appearance.

Norwegian medicinal cod liver oil cures and prevents rickets, develops strong bones and teeth, and fortifies the mucous membrane of the respiratory organs.



The Norwegian Cod Liver Oil is the best obtainable.

Printed matter will be sent on application to: Reklamefondet for Norsk Medicintran, Post box 226, Bergen, Norway.



**Another
HEAVY SEASONAL
DEMAND FOR
GREASE
PAINTS
IS COMING**

**Are
You Ready?**

Ogee

**GREASE
PAINTS**

**2 doz, shades • British
made • World Famed**

1 Very Pale Flesh. 1½ Moderately Pale. 2 Fair Complexion. 2½ Medium Flesh. 3 Pale Complexion. 3½ Slightly Sunburnt. 4 Dark Flesh. 4½ Very Dark Flesh. 5 Sallow or Chinese. 5½ Dark Sallow. 6 Yellowish Flesh. 6½ Japanese. 7 Brown. 8 Armenian Bole. 9 Sunburnt or Indian. 10 Light Brown. 11 Burnt Umber or Othello. 12 Black. 13 Red, Brown or Mulatto. 14 Chocolate or North African. 15 Brick Red. 16 Dark Brown. 17 Light Joining Paste. 18 Dark Joining Paste. 19 Light Chocolate. 20 White. Light, Medium and Dark Yellow. Old Red, Citron. Light, Medium and Dark Grey. Light, Medium and Dark Blue. Chrome Orange, Rose, Dark Rose. Carmine Vermilion. Carmine (I). Carmine (II). Carmine (III).

GREASE PAINTS

4/- doz.

SHORT LINERS

2/- doz.

CARMINES

2/3 doz.

LONG LINERS

2/6 doz.

CARMINES

2/9 doz.

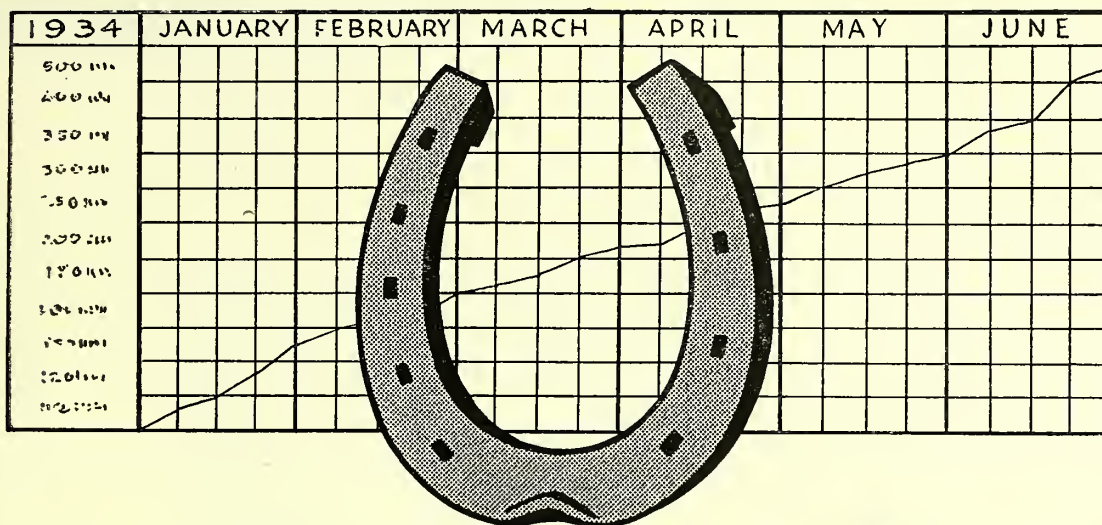
THE period of greatest public demand for Grease Paints is immediately ahead. The peak periods for amateur theatricals and family frolics are always Xmas and the New Year. **Hundreds** of men and women will be **in the market** then for special make-up for the festive fun and games. **Let them see these necessities** each time they use your shop! By putting in a show of "Ogee" Grease Paints now, you will be confronting this seasonal buying public with a definite need and assuring yourself of **your proper percentage** of the profitable local demand.

OSBORNE, GARRETT

AND COMPANY LIMITED

London • Birmingham

Glasgow • Manchester



It isn't Just Luck
that Sells Millions & Millions of Moorlands
it is REPUTATION—
QUALITY-NATION WIDE
ADVERTISING & DISPLAY ★

MOORLAND
 BRAND
INDIGESTION TABLETS



Your own display is a vital link in the sales chain. It connects with the advertising—it makes the passer-by buy—it keeps profitable purchases always on the move.

No competitive line enjoys such tremendous customer-satisfaction as Moorlands. Its reputation is unrivalled and grows bigger and bigger through constant recommendation. Then there is the strong frontal attack of vigorous, convincing advertising, which keeps the sales curve of new business upward. Add to these the potency of good display at the point of sale, i.e. the window or the counter—and you have the obvious reasons for the huge success of Moorlands.

W. B. CARTWRIGHT LTD., Rawdon, Leeds

The Public will have Moorlands



We saw two million families last night, and we're seeing them again to-night . . . and to-morrow night

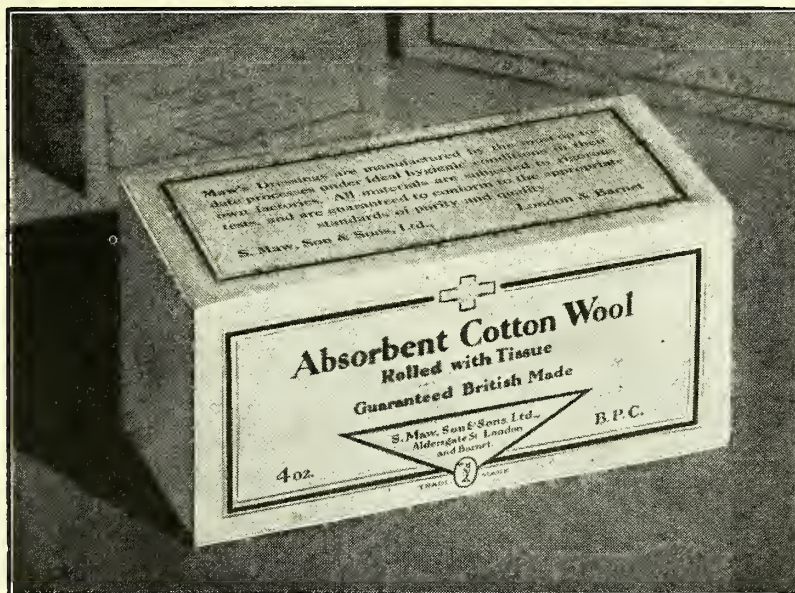
. . . for a whole week, in fact ; the advertisements in "The Radio Times" are non-stop salesmen. You do not have to be a student of advertising to realise why the big advertisers are relying more and more upon this paper to bring a daily flow of customers into your shop. Not only does it supply the BIG TWO MILLION CIRCULATION, but this circulation STAYS IN CIRCULATION from one Saturday to the next, and at last provides a real means of influencing that steady level of day-in, day-out trade so desirable to retailers.

RADIO
THE TWO-MILLION WEEKLY
TIMES
THAT'S READ DAILY

It is just as important to have advance information about pleasure programmes as business programmes. You read "The Radio Times" yourself, of course?

All enquiries in connection with advertisements in "The Radio Times" should be addressed to the Advt. Manager, The British Broadcasting Corporation, Broadcasting House, Portland Place, W. 1 Phone: Welbeck 4468

The Perfect Dressings Pack



Maw's Cartoned Dressings are made in their own factory and all qualities are guaranteed. They are subject to Bonus Terms and supplied only to chemists.

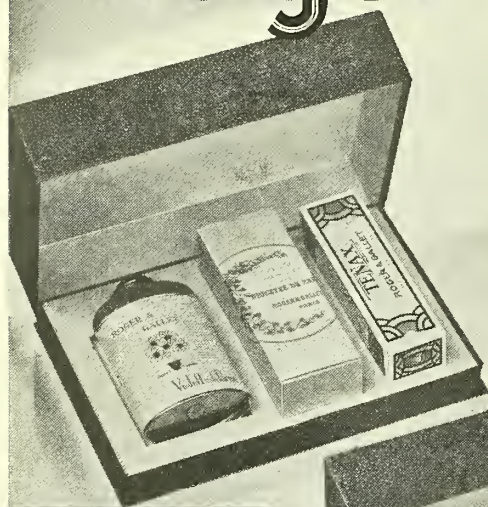
Study the advantages of this distinctive pack and decide to stock and push Maw's Cartoned Dressings, from now on.

- Hygienic—sealed carton keeps contents intact.
- Dressings easy to remove and replace neatly after use.
- Partly used Dressings can be kept clean in carton for future use.
- Satisfaction to your customer.
- Convenient to stock.
- Easier to display and more impressive.
- Bigger profits.

A new and attractive showcard with a unique human sales appeal will be supplied with all orders for Maw's Cartoned Dressings B.P.C.

S. Maw, Son, & Sons, Ltd.
7/12 Aldersgate St., London, E.C.1

Roger & Gallet's



No. 7. GENTS' COFFRET
 1 Large Tube Shaving Cream
 1 Tube Tenax Hair Fixer
 1 Talc.
 Perfume: { Violette de Parme
 Carnation

Retail
5/9



No. 5. COFFRET COLOGNE
 1 Box Face Powder
 1 Perfume
 1 Talc

Retail
9/9



No. 8. GENTS' COFFRET
 1 Shaving Milk
 1 Talc
 1 Solid Brilliantine
 Perfumes { Violette de Parme
 Carnation

Retail
6/9



No. 1B. COFFRET

1 Box Face Powder
 1 Handbag Perfume
 Perfumes { Le Jade
 Pavots d'Argent
 Feu Follet

Retail
6/6



No. 6. GENTS' COFFRET
 1 Large Tube Shaving Cream
 1 Solid Brilliantine in Glass Jar
 1 Talc.
 Perfume: { Violette de Parme
 Carnation

Retail
6/-



No. 3B. COFFRET
 1 Box Face Powder
 1 Tube Day Cream
 1 Tube Night Cream
 Perfumes { Le Jade
 Pavots d'Argent
 Feu Follet
 Cologne

Retail
4/6

Quality Coffrets

Make a Perfect Gift

Your professional reputation is built on personal integrity and your discrimination for quality. By selling Roger & Gallet you are selling quality, adding to your prestige and building up a clientele that will always be satisfied



No. 4B COFFRET

1 Box Face Powder
1 Tin Talc

Retail
5/-

Perfumes { Le Jade
Pavots d'Argent
Feu Follet
Cologne



No. 2F. COFFRET

1 Box Face Powder
1 Handbag Perfume
1 Tube Day Cream
1 Tube Night Cream

Retail
6/-

Perfumes { Violette de Parme
Carnation
Sweet Pea



No. 1F. COFFRET

1 Box Face Powder
1 Handbag Perfume

Retail
4/6

Perfumes { Violette de Parme
Carnation
Sweet Pea



No. 2B. COFFRET

1 Box Face Powder
1 Handbag Perfume
1 Tube Day Cream
1 Tube Night Cream

Retail
8/-

Perfumes { Le Jade
Pavots d'Argent
Feu Follet

Roger & Gallet guarantee that all their Perfumes, Eaux de Cologne, Toilet Waters, Hair Lotions, are prepared with the best, purest, potable, dutiable S.V.R. spirit obtainable, and not with methylated nor any other industrial spirits known as "DUTY FREE"

ROGER & GALLET (LONDON) LTD.

1 LECHMERE ROAD, LONDON, N.W.2

LONDON and PARIS

Mercolized Wax

for the Complexion

Extensively Advertised. Always in Demand

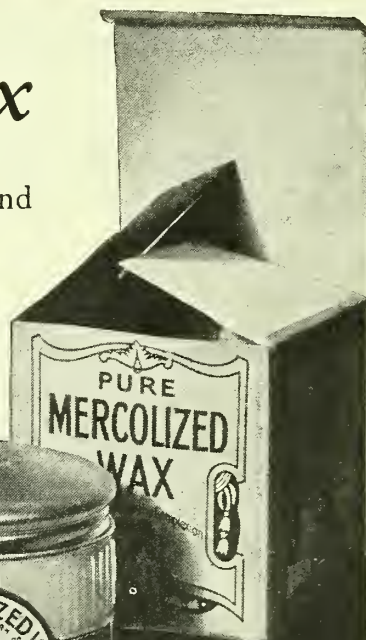
*There is no risk in holding full stocks.
Every woman is a potential buyer.
Sales are regular and repeats certain.*

Stallax

*a Shampoo—also popular,
and shows a handsome profit*

Dearborn
(1923) Limited

37 Gray's Inn Rd. London. W.C.1.



Telephone,
Holborn. 9669

The Public are Calling
for

PETAL DUST

*"Wherein the subtle savour of the Flowers
sublimely dwells."*

THE GREAT FLORAL AIR PURIFIER

A Trial will convince you that—

PETAL DUST, when once shown, creates its own demand, and is therefore a valuable adjunct to every "go-ahead" store.

PETAL DUST, when displayed prominently upon your counter, will attract prudent customers by the fragrance of its unique odour, which to-day is of such universal admiration.

Retails in packets at 4d. and 8d. each.

Attractive Advertising matter free on request.

Obtainable through all the usual Wholesale Houses or
from Sole Producers:—

The Rosmarine Manufacturing Co.
LONDON, S.E.1.

**"ODENTIC"
PLATE
BRUSH**

Regd. No. 417637.

From all
Wholesalers.



Manufacturers:

W. R. Speer & Son (EST. 100 YEARS)
215 DALSTON LANE . . LONDON, E.8

**MANY PHARMACISTS HAVE
already repeated the new**

Queen Anne

★ Lavender Christmas packs. Are you
getting your share of this business?
There is still time if you act at once.

Sole Distributor:—

GUSTAV BOEHM,
38 Moreland Street,
Goswell Road, E.C.1.

Clerkenwell 6066.

*Gifts that sell—
and always please*



A SMALL SELECTION FROM AN EXTENSIVE RANGE

*Write today for illustrated Brochure giving
particulars of lines that make an instant appeal*

Bristow

Creators of FINE PERFUMES and Exquisite TOILET
LUXURIES since 1777

COLINDALE, LONDON

THERE IS NOTHING LIKE

Dr. Page-Barker's

FOR SCURF AND DANDRUFF

Known and Sold Everywhere



THE GUARANTEED LOTION

18/- doz. P.A.T.A. 2/6

Bonus of three 2/6 Bottles with each 3 dozen

THE POMADE

1/6 size, 10/- doz. 2/6 size, 15/- doz.

Three Bonus with every 3 dozen



SPECIALLY FOR
DRY SCALPS

SHOWCARDS WITH EVERY ORDER.

WRITE FOR EXPORT TERMS

THOS. CHRISTY & CO., 4-12 OLD SWAN LANE, LONDON, E.C.4.

**THE CHEMIST'S
COMPACT LIBRARY**

Money-Making and
Money-Saving Books

EVERY BOOK by an EXPERT

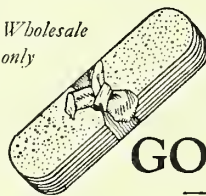
May be obtained at the published prices from any
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"THE CHEMIST AND DRUGGIST,"
28 Essex Street :: London, W.C.2

BRANCH OFFICES:

Manchester and Sheffield, England; Glasgow, Scotland;
Melbourne and Sydney, Australia;
Auckland, New Zealand.

*Wholesale
only*



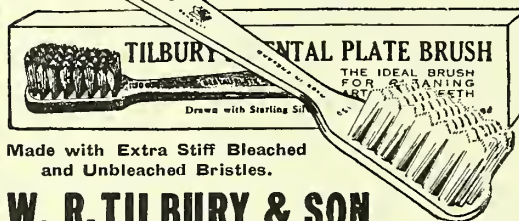
**BRITISH
MANICURE
GOODS** *that meet
Foreign Competition*

We specialise in ORANGE STICKS and EMERY
BOARDS. BEST QUALITY. HAND FINISHED.
**ROBERT LEE, 14 Calverley Grove
N.19**

Phone: Archway 2144.

Established 1880.

**TILBURY "Fort"
Dental Plate Brush**



Made with Extra Stiff Bleached
and Unbleached Bristles.

W. R. TILBURY & SON

47 FRAMPTON PARK ROAD, HACKNEY,
LONDON - - - ENGLAND

**WE WILL SEND YOU THIS
ATTRACTIVE & BRIGHTLY-
COLOURED 5-PIECE
WINDOW & COUNTER SHOW **FREE****



Use the Coupon* **P.T.O.*

CHEMISTS who display ADVERTISED goods participate in £30,000,000 worth of ready-made SALES every year

Changing times are here—changing values. The centre of gravity of business is removing to active centres. Let us illustrate this from the chemist's standpoint—his business—his sales. Many chemists fail to realise that in their section of advertised lines over £3,000,000 is being spent annually. If it takes 10% average advertising to sell and make known an article to the public this means that the proprietary and general advertising of chemists' lines is selling £30,000,000 worth of goods a year. THE CHEMIST WHO GETS THIS BUSINESS IS THE MAN WHO SHOWS WINDOW DISPLAYS OF ADVERTISED GOODS IN HIS WINDOWS ALL THE TIME. He connects up with

its stupendous active sales-producing activity. If he fails to show in his windows literature of advertised lines his potential customers and sales are DIRECTED INTO OTHER CHANNELS. You can easily prove this for yourself with 'ASPRO'. WHEN YOU SHOW AN 'ASPRO' WINDOW DISPLAY, YOU DEFINITELY CONNECT UP WITH ONE OF THE LARGEST ADVERTISING CAMPAIGNS IN THE KINGDOM. You attract customers into your shop not only for 'ASPRO' but for a hundred and one other things which you stock. Why not prove this to-day for your own satisfaction? Why not bring the customers into your shop? USE 'ASPRO' advertising to do it.

Agents :

GOLLIN & CO. PTY. LTD.
(‘Aspro’ Dept.), SLOUGH, Bucks.
Telephone : SLOUGH 608

‘ASPRO’ consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made by ASPRO LTD., Slough, ENGLAND

No proprietary right is claimed in the method of manufacture or the formula.



FILL IN - CUT OUT - POST TO-DAY

To Gollin & Co. Pty. Ltd. (‘Aspro’ Dept.), Slough, Bucks.

Please send me one of the new ‘ASPRO’ 5-piece Window Sets FREE.

Name of Firm

Address

.....

..... Date

QUALITY PRODUCTS

to meet a LOW PRICE DEMAND



Olde English Lavender TOILET REQUISITES

There is an enormous turnover of low-priced toilet articles. The chemist who regularly displays Cussons' Lavender Series taps a source of steady and recurring profit.

Liquid Brillian-
tine Retail 6d.
Setting Lotion Retail 6d.
Hair Cream with
Oil Retail 6d.
Hair Cream Retail 6d.
Talcum Powder Retail 6d.
Boudoir Powder Retail 6d.
Shaving Cream Retail 6d.

Cussons'
KERSAL VALE
MANCHESTER

Shaving Soap Retail 6d.
Complexion Powder Retail 3d.
Solidified Brill-
liantime Retail 3d.
Smelling Salts Retail 3d.
Toilet Soap Retail 3d.
Bath Crystal Cube Retail 1d.
Prices applicable to Gt.
Britain and N. Ireland only

The New Unbreakable Handbag Pot



For Your Christmas Counter

Everyone looks for some little inexpensive gift that is more than a card but hardly a present! Dainty and attractive, but useful! Solve this problem for your customers by showing Velouty in the new handbag pot.

P.A.T.A. Prices :

Retail - - 1/3 each

Wholesale - 10/- dozen

In display outers of half doz.

Supplied in all shades :—

White, Ivory, Natural, Ochre, and
Soleil Doré (Sungold).

Send for the new Alice Delysia showcard
and the counter display card for
the 1/3 pot.

VELOUTY de DIXOR

THE ORIGINAL

LONDON

COMBINED CREAM AND POWDER

PARIS

DIXOR LTD., DANEMERE STREET, LONDON, S.W. 15.

QUICK BUSINESS!

With Quality plus Quantity, and extensive advertising we have, IN A FEW WEEKS, secured a big share of the Tooth-paste demand for

MACKIE'S MAGNESIA

A Complete Antacid Treatment for the Teeth.

Large 1/- tube. Yields a good profit.

Write for trade terms:—

PEROX LTD. 12, CHENIES ST., W.C.1.

8 1/2 gross
125% PROFIT
SELL AT 1/6 DOZ.

15 1/2 gross
100% PROFIT
SELL AT 2/6 DOZ.

5 1/2 gross
120% PROFIT
SELL AT 1/- DOZ.

'OCEAN' BLADES

BRITISH-MADE AND BEST OF ALL.

Made from first quality steel by improved method guaranteeing super-keen edge. Over a hundred million sold to date. No better blade obtainable at any price.

'OCEAN UNIVERSAL'

The super-quality Blade which fits every kind of slot, stud or 3-peg razor holder.

'CONQUEROR' BLADES

Knock-out value in a PENNY Blade. Unquestionably the finest blade obtainable at the price. Best silver steel used.

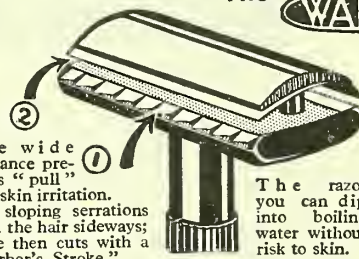
Samples and attractive showcards free. Leading wholesalers stock all blades. For direct supplies send P.O. or Cheque to

OCEAN BLADES (Gt. Brit.), LTD.,
Sales Dept., 1-6 Bridgewater Place,
London, E.C.1. (Clerk. 6257)

Blades also made under customer's own name—state quantity.

The World's Most Marvellous Razor !

The **WARDONIA**



The wide clearance prevents "pull" and skin irritation. The sloping serrations bend the hair sideways; blade then cuts with a "Barber's Stroke."

The razor you can dip into boiling water without risk to skin.

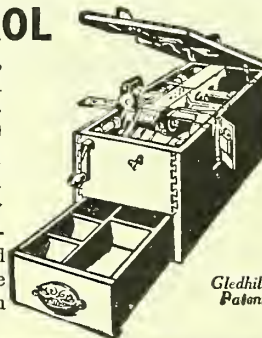
Sensational, incomparable, miraculous. Works wonders with the stiffest beard. Generous supply of sales-creating display showcards, cut-outs, etc., FREE. Order NOW—or send for list and trade terms.

Sole Makers :

Thomas Ward & Sons, Ltd., Wardonia Works, Sheffield, Eng.

REMOTE CONTROL

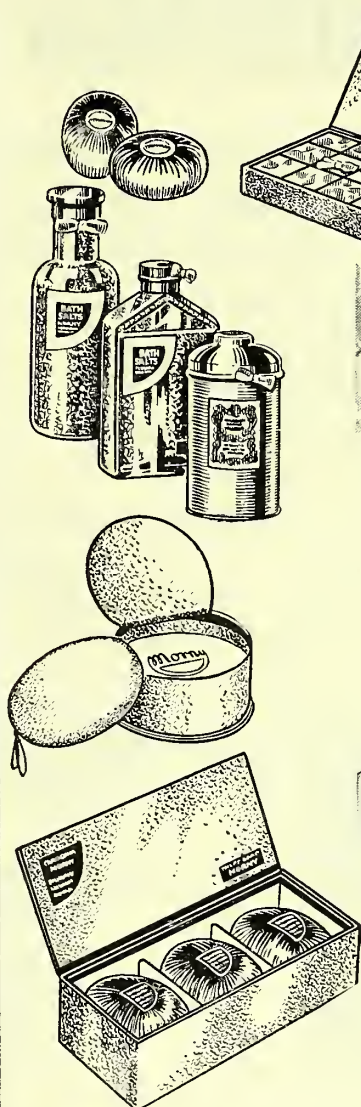
may be good for your gear-box, but not for your cash. Cash is the life-blood of your business—protect it carefully! There is no better safeguard than the Gledhill Till, which keeps a close eye on every transaction. Scientific checking of cash is essential to good profits—get a British-made GLEDHILL for the Xmas rush trade. British throughout.



Gledhill's
Patent

GLEDHILL'S 16 TRINITY WORKS
HALIFAX ENG.

"GARDENIA" MORNY



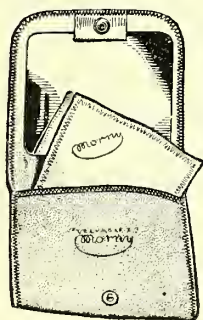
BATH AND TOILET LUXURIES

In beaten silverette containers edged with emerald, this popular Morny floral series makes an elegant addition to the bathroom or dressing table. Conspicuous in design and novelty of presentation is the Complexion Powder in the useful dressing table model, complete with puff.

"GARDENIA-MORNY" is as fashionable in 1933 as at the time of its conception.

"THE MORNY VELVASIFT"

(REGD.)



Filled with Morny Loose Complexion Powder. The most convenient form of using and carrying loose powder. Each "Velvasift" contains three weeks' normal supply of powder. Issued in boxes of five Velvasifts with pochette, and counter demonstration outfits containing four dozen Velvasifts assorted "Chaminade," "June Roses," "Pink Lilac," and "Gardenia-Morny," with selection of five distinctive tints.

Made in England by

MORNY

6 New Burlington St., London

Established 1900



EUCRYL DENTIFRICES

EUCRYL TOOTH POWDER
EUCRYL TOOTH PASTE
EUCRYL DENTURE POWDER

Bought on Display Terms Yield:

PROFIT ON
SELLING PRICE **43%**

PROFIT ON
BUYING PRICE **75%**

Nationally Advertised · Ask us for Showcards

**BRITISH OWNED
BRITISH MADE**

EUCRYL LIMITED

Manufacturing Chemists - Southampton.

See how this Eupax
Embossed Seal catches
your eye



The brilliance of beautifully produced Eupax Embossed Seals, imparts the finishing touch of quality to goods in an attractive way that people cannot overlook.

Increased sales follow the desire to buy which is created by this correct impression of quality.

It will pay you to investigate the merits of Eupax Embossed Seals by sending for a range of free testing samples now.

WILLIAM SESSIONS LTD.
THE EBOR PRESS
YORK

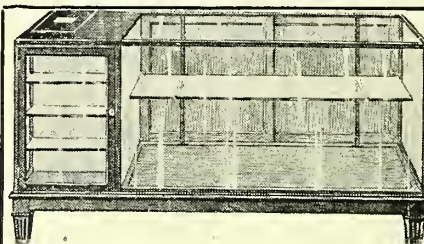


*Buy direct
from the Makers*

SCINTILLATING SIGN SERVICE
68a COLEBROOKE ROW,
ISLINGTON, N.1

All Types of Chemists'
Signs. Illuminated
and Non-illuminated

PRICES ON APPLICATION



**The Ideal
Chemist's
Counter**

No. C.D.F. 5191
A new type of
**COMBINED
DISPLAY
COUNTER**
with Showcase
and Cash Till. Con-

structed of Oak or
drawn plate glass. The display section is 4 ft. 4 in. long with panelled back doors
encasing 1 glass shelf. The interior is mirrored glass one end. At side is fitted a
reliable cash till with showcase front as shown. The showcase is 18 ins. wide
and fitted with 3 glass shelves each 4 ins. deep. The case is mirror-lined at back
and door is fitted lock.

£15.0.0 each

Deferred Payment Terms.—12 equal monthly payments of 26/3
Full List of Showcases No. CD 1340 free on request.

UDLEY & COMPANY, LIMITED, 451 Falloway Road, London, N.17
City Showroom: 65 Fore Street, E.C.

3,000,000 PEOPLE

are reading about the wonderful value of the **"LAUREL"** New Improved

Retails
1½d.
each.

LAUREL
DUMB-BELL Regd.
Razors & Blades
Are you ready to supply?

PACKET OF
4 for 6d.
Order your Stock to-day.

COMPLETE
OUTFIT
FOR
6d.

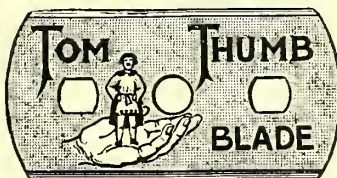


Geo. H. Lawrence Ltd. Laurel Wks., Sheffield
Nursery St.,

HANG IT UP AND LET IT SELL ITSELF

1d.
Each
Retail

Supplied on cards or boxed. Show cards with every order.



MADE BY
GEORGE IBBERTSON & CO.
Razor Works, 146 West St., Sheffield

SAFETY RAZOR BLADES TO PRIVATE BRANDS

We are specialists in the production of Safety Razor Blades to Private Brands—Home or Export—Prices competitive—Special wrappers, cartons and labels designed to customers' ideas—In fact your Private Brand complete and ready for sale—Large output available from most modern plant.

CONSULT:

Dominion Steel Corp. Ltd.
"Fleet" Works, Queen's Rd., Sheffield, Eng.

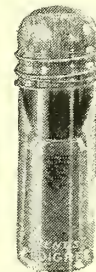
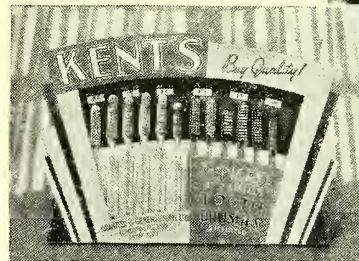
KENT

"PEDIGREE" BRUSHES

"PEDIGREE" SHAVING BRUSHES

Selling price to public:—
"POPULAR" 4/9, 6/9, 8/9
"STANDARD" 6/9, 12/9, 15/9

In white and coloured handles packed in transparent container as illustrated.



"PEDIGREE" TOOTH BRUSHES

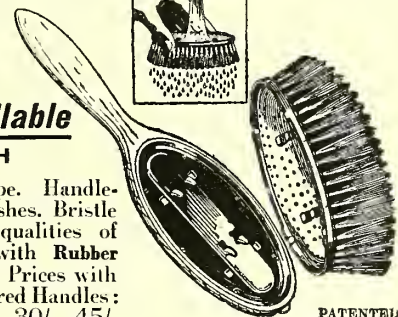
Pure Bristle. Range of twelve in coloured and bone handles. Attractive Display Stand supplied.

Selling price to public:—
9d. 1/- 1/3
1/6 1/9 2/-

KENT-COSBY

Hygienic Refillable HAIRBRUSH

Also in Military Shape. Handle-backs in various finishes. Bristle Refills in various qualities of pure bristle, also with Rubber Cushion Base. Retail Prices with Satin Finish or Coloured Handles: 7/11, 12/6, 18/6, 30/- 45/-



PATENTED

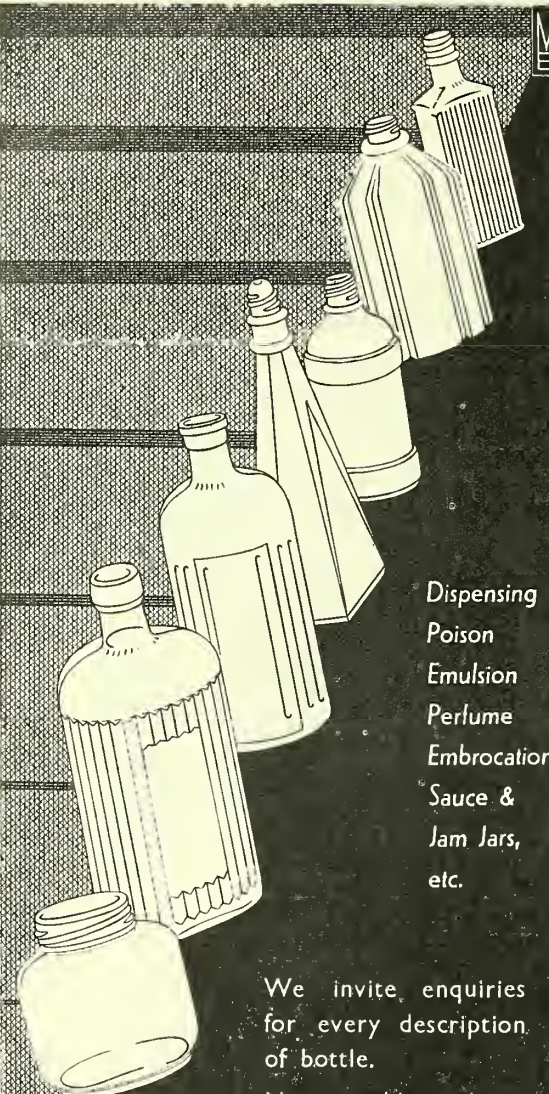
ATTRACTIVE MODERN LINES SHOWING GOOD PROFITS

Ordinary standard lines in Best British Hair, Tooth, Nail, Shaving, Bath Brushes, etc., obtainable as usual on same terms at same prices.

WRITE FOR FURTHER PARTICULARS, TRADE TERMS AND SAMPLES.

G. B. KENT & SONS Ltd.
75 FARRINGDON ROAD
LONDON E.C.1

MAKERS OF BEST BRITISH BRUSHES SINCE 1777



Dispensing
Poison
Emulsion
Perfume
Embrocation
Sauce &
Jam Jars,
etc.

We invite enquiries
for every description
of bottle.
New moulds made to
any specification.

WHOLESALE ENQUIRIES ONLY

**LAX and
SHAW**

Albert Glass Works, Hunslet, Leeds

Visit the
BICYCLE & MOTOR-CYCLE SHOW
OLYMPIA



NOV. 25—DEC. 2

Admission: 10—5, 2/-; 5—10, 1/-

Come and see the very latest methods
of cutting your delivery costs.
Carrier Bicycles and Tricycles, Motor-
Cycles and Three-Wheelers.

WE SUPPLY
DECORATED TINS
FOR PACKING
OINTMENTS

AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.
CALDICOT, Nr. CHEPSTOW, Mon.

STOPPERS
AND BAKELITE SCREW CAPS



200 Varieties
Any Colour.

A suitable Compo-
sition Stopper will
enhance the selling
value of your
package. Let us fit
your Bottles and
quote you.



T. WEBSTER & Co., Ltd. Telephone: Mountview 0952
Diamine House, Middle Lane, Hornsey, LONDON, N.8

DRY. SELF-FIXING. ALL SIZES.

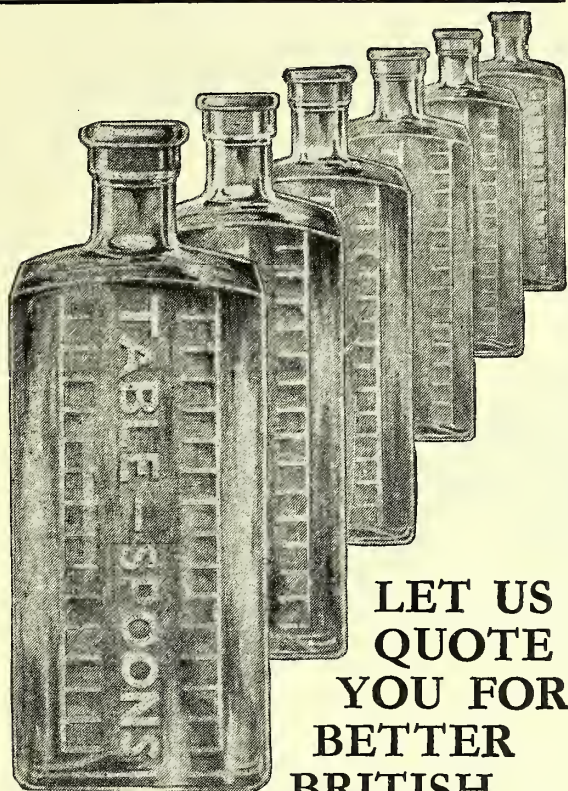
Finest Quality and Appearance.

Bottle Caps

Enquiries Invited. Samples Submitted.

T. C. Bussell 34 Gt. Tower St.
LONDON, E.C.3.

Phone: Royal 2154.



**LET US
QUOTE
YOU FOR
BETTER
BRITISH
BOTTLES**

For eighty years or so we have been making bottles of every description, so we can claim to know something of Drug Trade Requirements.

Hand or machine made bottles of every type—sturdy and accurate and well finished—we can supply whatever you need.

Bottles of first class quality at highly competitive prices. It will pay you to ask us to quote for your next order.

ESTABLISHED 1851

**FREDERICK
HAMPSON Ltd.
PERSEVERANCE GLASS WORKS
SALFORD 5**

Telephone :
Trafford Park 0814/5.

Telegrams :
"Attention" Salford.

BEATSON, CLARK & CO.
LTD.

**Chemical and Medical Glass Manufacturers
ROTHERHAM, YORK**

Telegrams - - - "BEATSON, ROTHERHAM."



**SHOP ROUNDS, OIL ROUNDS,
POISONS, SYRUPS & ETHERS**

WITH AND WITHOUT RECESS LABELS.

ESTABLISHED 1751.

A NEW BRITISH STROPPER

That Cannot Cut the Strop

STRENGTH
SIMPLICITY
EFFICIENCY

We are helping
you by a
National Press
Campaign
starting in December

NO COMPLICATED PARTS TO GO WRONG.
NO LARGER THAN A FOUNTAIN PEN.
EACH STROPPER IS ATTRACTIVELY PACKED.
A REALLY FIRST-CLASS SHOWCARD SUPPLIED.
DESCRIPTIVE ILLUSTRATED FOLDERS—ONE IN EACH PACK,
AND A SUPPLY FOR THE COUNTER.

A Pleasure to Use—a Profit Bringer to Sell

Obtainable from all Wholesalers, or direct from

Barry Blade-Stropper Co., First Avenue House, High Holborn,
W.C.1

A LITTLE INVENTION
THAT WILL MAKE MONEY
FOR YOU

RETAILS AT

3/6

including
Strop in Case

GENEROUS
DISCOUNTS



AYRTON-GRAHAM LTD.

Designers and actual manufacturers of

FITTINGS

For the MODERN PHARMACY.

Shop Fronts, Show Cases, Exhibition Cases, Counter
Cases, Counters, Wall Cases, Glass Signs, etc., etc.

PHARMACIES MODERNISED.

ALL GOODS OF BEST QUALITY
AND FINISH AT LOWEST RATES

Competent Fitters sent to all parts.

24 BENSON ST., LIVERPOOL

DISTILLED WATER

AT

$\frac{1}{3}$ d. PER GALLON

By using Brown's Patent Automatic Water Stills pure
distilled water may be obtained at the above cost,
using steam at any pressure between 30 and 100 lbs.
per square inch. The product is pure distilled
water, not condensed water from steam service pipes.

*Full particulars free on application. Enquiries are not followed
by personal call.*

MADE ALSO FOR GAS HEATING

BROWN & SON, LTD.

Alembic Works, Wedmore St., London, N.19

One of many recent testimonials!

"The No. 4A Filling Machine you sent us is giving every satisfaction and doing the work well."

THE "LAUDER" BOTTLE FILLING MACHINE (No. 4A)

(Patent Pending)

gives MAXIMUM PRODUCTION at A MINIMUM OF COST—light or heavy preparations—
and is equally suitable for SPRINKLER NECK or ORDINARY BOTTLES. No trouble to
charge and easy to operate and clean.

Strongly made of STAINLESS STEEL (2, 5 and 10 galls. capacity) and fitted with our latest
SELF-CONTAINED VALVE, compressed air is generated without exertion by small foot
pump supplied, and regulated with adjustable SAFETY VALVE.

The cheapest EFFICIENT machine on the market—there are no "ifs" or "buts"—IT IS!

Beware of spurious imitations.

Full particulars from Sole Manufacturer:—

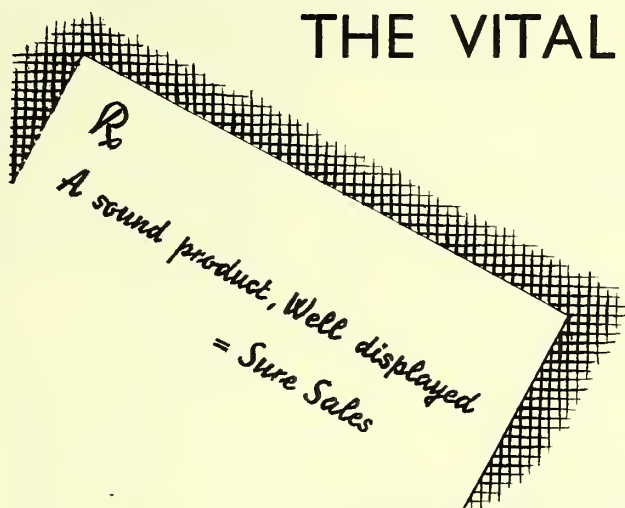
L. T. LAUDER, 4 MILES HILL STREET, LEEDS, 7.

'Phone: 43039

Wires: Lauder, Leeds 43039



THE VITAL ELEMENT



. essential to the logical solution of your formula is, of course, *first class printing*; however good the ingredients may be—however good the compounding—it is the *Printed* outer, whether it be carton or wrapper, that really puts it there!

PRINT! PRINT! PRINT!
should be foremost in your minds.

SEND YOUR ENQUIRY TO:—

ALF HARRISON & SONS LTD.
CHEMISTS' AND ADVERTISING PRINTERS
BURLEY ROAD, LEEDS—4

LONDON OFFICE: SENTINEL HOUSE, SOUTHAMPTON ROW, W.C.1

'Phone: Holborn 9200

Six lines similar in all but name



This is the big seller... WHY?

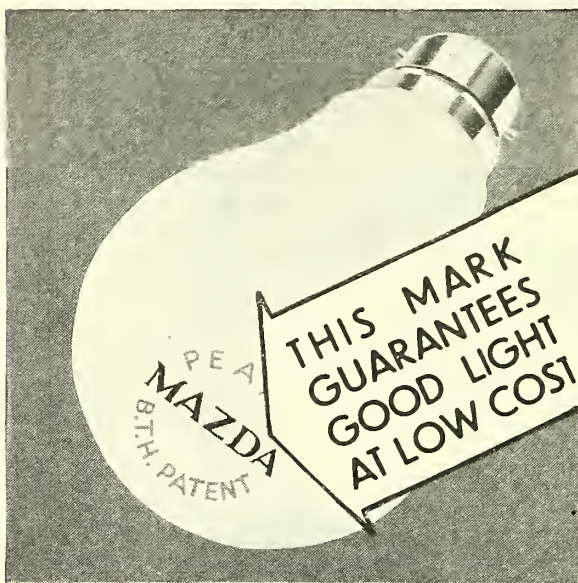
Each year brings a long list of new contracts for MONO Containers—existing contracts are being increased. Not only are manufacturers finding that they cut costs by packing in MONO—they are experiencing a steadily increasing demand for their products which can be traced directly to a public appreciation of these clean, convenient, attractive containers.

MONO

The first and the foremost of "nested" containers

Write for samples and prices
of Mono Containers, both
screw cap and disc lid types

MONO CONTAINERS LTD., PARK ROYAL, LONDON, N.W.10 'Phone: Willesden 0900-1-2, 5131-2



YOU CAN'T AFFORD TO USE CHEAP LAMPS

With current at 4d. per unit, a 60 watt Mazda Lamp will, during life, cost on the average 5/- less for current than a "cheap" lamp giving the same amount of light. The firms that sell "cheap" lamps don't use them, because they know that it doesn't pay.

USE



MAZDA

WITH THE WONDERFUL
NON-SAG FILAMENT

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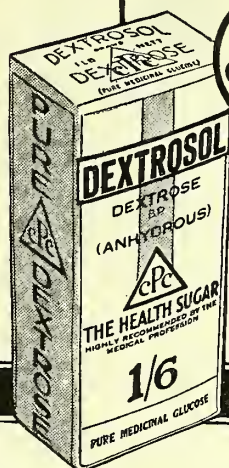
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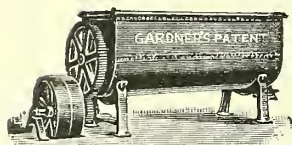
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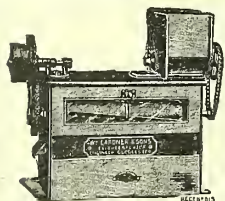
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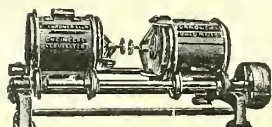
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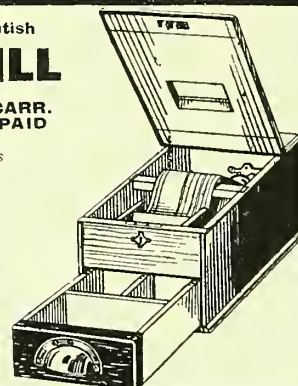
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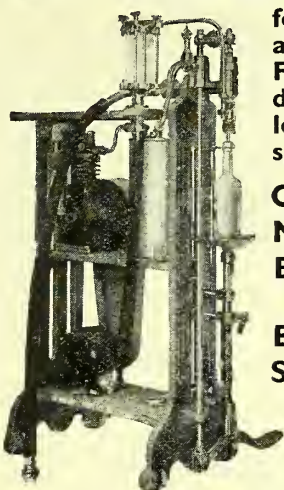
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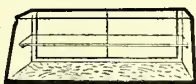
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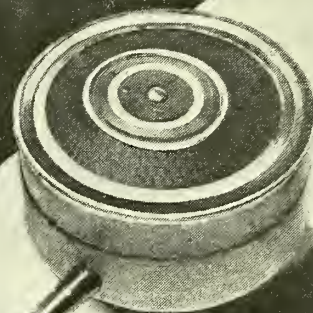
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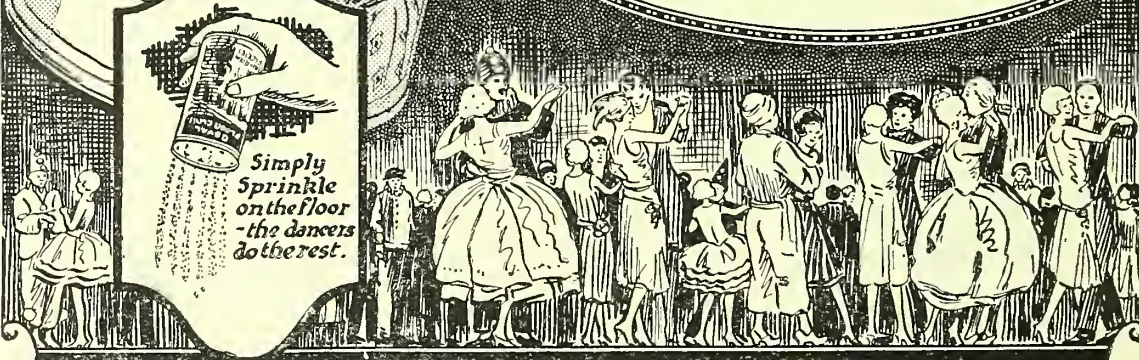
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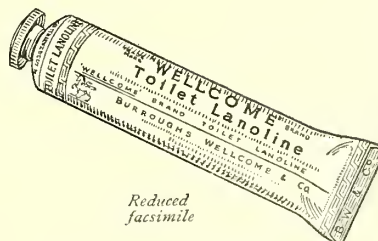
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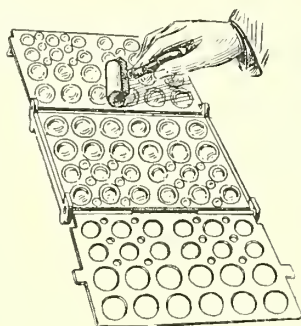


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News of the Week

Merchandise Marks Inquiry—Imported Maize Starch

The Standing Committee appointed by the Board of Trade heard an application at the offices of the Board of Trade, London, on Monday, November 20, for a Marking Order in respect of imported maize starch, including maize starch cornflour. The Committee was presided over by Sir Hubert Llewellyn Smith, K.C.B. The applicants were the Maize Starch Manufacturers' Association. Before the proceedings began the parties—with one exception—came to an agreement which was placed before the Committee. In accordance with the usual practice, however, the Committee went into the application in some detail with the object of seeing whether the suggested agreement was practicable in operation. The Committee will report in due course.

Inquests

An inquiry was held at Newark-on-Trent, on November 14, concerning the death of Mr. Edward J. V. Conolly, who, it was stated, died from poisoning by potassium cyanide. Mr. G. E. Cherrington, chemist and druggist, stated that on the day of his death Mr. Conolly was supplied with 4 oz. of the cyanide. Witness knew the deceased as a very clever chemist. A verdict of "Suicide whilst of unsound mind" was given.

Miscellaneous

CHELSEA POLYTECHNIC.—Viscount Leverhulme will distribute prizes, diplomas and certificates to students at Chelsea Polytechnic, Manresa Road, London, S.W.3, on December 5, at 8.30 p.m.

THE ROYAL INSTITUTION.—The hundred and eighth course of (six) Christmas lectures will be delivered by Sir James Jeans, D.Sc., F.R.S., on December 28 and 30,

January 2, 4, 6 and 9, at 3 p.m. The subject is "Through Space and Time."

CINE EXHIBITION.—An exhibition is to be held at the Dorland Hall, Regent Street, London, S.W.1, from November 27 to December 9, 10 a.m. to 10 p.m., to encourage the use and influence of films in the home, lecture room and industry. Sections will be allocated to educational, cultural and publicity films, and there will be a public studio where visitors or marketing displays will be filmed, and the results later shown in one of the many demonstration theatres.

SPORTING EVENTS.—Potter & Clarke's football "A" team met Albertians at Finchley, on November 18, in the third round of the London Junior Cup and won 8—3. The "B" team met Griffin Q. at Dulwich Village in the London Business Houses League and won 4—1. The "C" team met St. Margarets at home in the London Business Houses League and lost 3—0. The girls' netball team met Imperial in the 2nd Division, L.B.H.A.S.A., at Mitcham, and won 18—17.

PROPRIETARY ARTICLES TRADE ASSOCIATION.—The following four members of the retail section of the Council of the Proprietary Articles Trade Association retire this year by rotation:—Messrs. J. Keall, T. Marns, H. H. Marshall and P. F. Rowsell. All are eligible for re-election. It is open to members of the retail section of the P.A.T.A. to nominate candidates for the four vacancies. Nominations will be received by the Secretary, at 43 Gordon Square, London, W.C.1, up to and including December 1.

WORKMEN'S COMPENSATION ACT.—In Whitechapel County Court, London, on November 17, an application for increased compensation made by John Fisher, Pitsea, was dismissed. An application by the respondents,

Potter & Clarke, Ltd., manufacturing chemists, Artillery Lane, E., for a review on the ground that the applicant was able to earn his pre-disablement wages was also dismissed.—In Shoreditch County Court, on November 21, James Shears, Radnor Street, E.C., was the applicant in a claim in which the respondents were J. Maud & Co., Ltd., manufacturing chemists, New North Road, N. Mr. Chambers, giving evidence for the respondents, said the applicant's work had always been open to him, and he could go back immediately. The action was dismissed.

CHRISTMAS SHOPPING HOURS.—The Home Secretary has made an Order under Section 7 (1) of the Shops (Hours of Closing) Act, 1928, suspending the operation in England and Wales of the provisions of that Act relating to general closing hours from Monday, December 18, to Saturday, December 23, inclusive. This Order has also the effect of suspending the operation during the period in question of evening closing orders made under the Shops Act, 1912. It does not affect the operation of the weekly half-holiday and other provisions of the Shops Acts, and a shopkeeper will not be entitled to remain open on the weekly half-holiday before Christmas, except under the conditions laid down in the Act of 1912. The provisions of the Licensing Acts will not be affected.

IN THE COURTS.—In Bow County Court, London, on November 15, Yardley & Co., Ltd., perfumers, Stratford, E., sued Mr. R. E. Parker, chemist and druggist, Coventry, to recover the sum of £6 12s. 9d., balance of an account for goods supplied. The defence was that Mr. Parker had paid all moneys due to the plaintiffs and held their receipts. Remarking that cases had to be proved properly, and that this had not been done, Judge Konstam dismissed the action with costs.—At Marlborough Street Police Court, on November 15, Frederick W. Chapman (20), stockkeeper, pleaded "Guilty" to a charge of stealing two packets of razor blades, value 2s. 6d., the property of his employers, Heppells, chemists, Grosvenor House, Park Lane, W.1. He was remanded on bail for three months to see how he behaved.—At Greenwich Police Court, London, recently, seven men were summoned for peddling without licences. It was stated for the prosecution that they were selling bars of soap from door to door. Mr. A. A. White, for the defence, pleaded "Not guilty," explaining that the men were employed by a licensed hawk who travelled with his lorry. The defendants were discharged.—In the Chancery Division of the High Court, London, recently, a dispute concerning a legacy of between £8,000 and £9,000 bequeathed by the late Mr. William Boor, chemist and druggist, Wisbech, was considered by Mr. Justice Bennett. The legacy was claimed by St. Dunstan's organisation for blinded soldiers, sailors and airmen, and by the National Institute for the Blind. His lordship awarded it to the former.

Irish Notes

Brevities

Miss Gwenyth O'Leary, Ph.C., has opened a medical hall at Adare, co. Limerick.

The Minister for Industry and Commerce has notified his intention of making a special order applying the Trades Boards Acts to the packing trade in the Irish Free State.

A statement issued by the Companies' Section of the Ministry of Commerce for Northern Ireland shows that at the beginning of 1933 the paid-up capital in the drug trade was £115,017, against £115,224 the previous year. The nominal capital was £370,210 against £368,000 at the beginning of 1932, and the subscribed capital £278,196 against £278,373.

Scottish Notes

Brevities

Mr. W. J. Sanderson, chemist and druggist, has been returned as a member of Peebles Town Council.

Mr. Robert Mathieson, chemist and druggist, Innerleithen, who has been re-elected Provost, enters upon his twelfth consecutive three-year term as civic head of the burgh.

Professor David Campbell, of the Chair of Materia Medica in the University of Aberdeen, is delivering a series of lectures on "The Use and Abuse of Drugs." In his opening lecture on November 10, Professor Campbell traced the history of drugs, which he described as the most ancient of medical studies.

Mr. G. Lawrence Byth has completed his Second Professional Medical examination in anatomy and physiology, and his brother, Mr. J. Gordon Byth, the materia medica, forensic medicine, pathology and bacteriology of the Third Professional at Aberdeen University. Both are sons of Mr. John Byth, chemist and druggist, 328 King Street, Aberdeen.

National Pharmaceutical Union

Associate Members

The following circular, dated November 14, has been issued by the secretary of the National Pharmaceutical Union (Mr. G. A. Mallinson):—

The coming into operation of the Pharmacy and Poisons Act places every qualified chemist, whether proprietor or otherwise, on a different footing. He may now be involved in litigation to avoid removal from the Register and, in so far as offences against the Pharmacy Act in the shop are concerned, the manager and assistant may require legal help when the proprietor himself disclaims responsibility.

This being the case, the N.P.U. has created an Associate Members' Section open to the qualified managers and qualified assistants engaged in retail business. Every qualified assistant who is an employee of a member of the N.P.U. has a right to become an associate member, and although no such right exists when the employer is not a member, these applications will be considered and will be accepted at the discretion of the Executive; there will also be discretionary power on the part of the Executive to cancel, or refuse renewal of, membership.

SUBSCRIPTION

The subscription for an associate member is 10s. 6d. per annum and membership may commence any day, the subscription becoming due for renewal twelve months from date of membership.

BENEFITS

The following benefits will be provided for Associate Members:—

- Legal advice on all personal matters and in connection with difficulties in which the associate member is involved personally regarding his employment.
- Legal defence if summoned under any Act of Parliament in regard to an offence committed in the course of his employment.
- Defence against any action taken by the Pharmaceutical Society in accordance with the new powers conferred upon it by the Pharmacy and Poisons Act, 1933.
- The establishment of an employment register to be open only to associate members.
- The foundation of an Associate Members' Relief Fund to be available for assisting associate members either by means of loans or by definite grants or weekly allowances according to circumstances at the discretion of the Executive.

Regarding the above, it will be realised that until a substantial membership of the new section has been obtained, benefits (d) and (e) cannot be in full working order. Further benefits will be provided for this section as and when they become necessary or desirable.

At the outset 5s. of the subscription is to be credited to the Relief Fund, and this amount may be varied at the discretion of the Executive. This Relief Fund is not intended for use in circumstances which could have been met by membership of the Chemists' Sickness and Provident Society. In other words, grants in respect of personal sickness would not be made; in such circumstances a loan might be made if thought desirable. When a suitable fund has been accumulated, it may be possible to provide cash benefits under definite conditions, but this is not possible at the outset. Associate members will be entitled to seek advice on any personal matter whether connected with the business or not, and in particular this benefit will be useful to associate members when they decide to commence business for themselves, as they will be able to secure information and advice on the many difficulties which are liable to arise during negotiations and prior to purchase of the business.

The N.P.U. being a retail chemists' organisation, membership of this section is restricted to those engaged in retail business. The support of every qualified manager or assistant is earnestly desired. Applications should be addressed to me at 4 Queen Square, London, W.C.1.

Branch Meetings

Leeds.—A general meeting of the Leeds Branch was held on November 14, Mr. N. H. Burns in the chair. An address on *Grouses, Yours and Mine*, was given by Mr. L. Carr. Mr. Carr asserted that the local Executive was not sufficiently active, and suggested that they should visit members of the Branch in order to interest them in its activities. It should enforce the Shop Hours Act among chemists, issue a monthly bulletin of new goods placed on the market, issue cards to nurses similar to those supplied by multiple firms, and furnish members with a list of firms supplying "pirate" traders. He also advocated that the Preliminary Scientific examination should be taken during the first year's apprenticeship. Mr. N. Hirst advocated the inclusion of zoology in the Preliminary Scientific examination, and that there should be an understood agreement among chemists not to deal with manufacturers and wholesalers who supply cutters. In this he was supported by the other members present. Several members complained of the lack of

support given to the Branch by its members. Mr. Gileghan remarked that had Mr. Carr attended the meetings he would have known that the Committee had given consideration to most of the points he had raised, and reminded him that all the members of the local Executive were men in business doing voluntary work, and that members can obtain any information they require by attending meetings or communicating with any member of the Committee.

Coming Events

This section is reserved for advanced notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.

Monday, November 27

Photographic Dealers' Association, Liverpool Branch, Adelphi Hotel, at 8.30 p.m. Open meeting.

Photographic Dealers' Association, Thames Valley Branch, Kingston Hotel, Kingston-on-Thames, at 8.45 p.m. Meeting to inaugurate Branch. Mr. E. Skues (past-president of the P.D.A.) will give an address.

Tuesday, November 28

Annual Chemical Dinner, Wharnccliffe Rooms, Hotel Great Central, Marylebone, London, N.W.1. Tickets, 12s. 6d. each.

Wednesday, November 29

Pharmaceutical Society of Great Britain, Glasgow and South-Western Scottish Branch, Ca'doro Restaurant, Union Street, Glasgow, at 8 p.m. "Proposed Regulations Governing Apprenticeship in Shops," discussion will be introduced by Dr. J. P. Todd and Mr. J. H. Ramsay.

Pharmaceutical Society of Great Britain, West London Branch, Stewart's Restaurant, 50 Old Bond Street, London, W.1, at 8.30 p.m. Mr. F. W. Adams (assistant secretary of the Pharmaceutical Society) on "The Pharmacy and Poisons Act." Preceded by light supper.

Thursday, November 30

Liverpool School of Pharmacy, Reece's Ballroom, Parker Street, Liverpool, from 8 p.m. until 1 a.m. Dance, organised by past and present students. Tickets, 3s. 6d. each (including refreshments) from the secretary, E. Ashton-Hebrow, at the School.

Manchester Pharmaceutical Association, Junior Branch, Victoria Hotel, at 8.30 p.m. Mr. E. H. Simmons (a member of the Society's Council) on "The Pharmacy and Poisons Act: The Present Position."

Topical Reflections

By Xrayser

Can Pharmacy Alone

provide us with adequate means of livelihood? This question is raised anew by a correspondent in last week's issue of the *C. & D.* (p. 629), and it would be absurd to think that it can be answered otherwise than in the negative. The practice of pharmacy, pure and simple, is far from being able to maintain all of us in general practice as persons with our training and qualification ought to be maintained, and the tendency of newly qualified pharmacists to rush into business on their own account, as deplored by another of your correspondents (p. 630), does not tend to improve matters in this respect. And yet, as must be evident to most of us in actual practice, the public needs the services of many of us as practitioners of a professional occupation. The only immediate remedy seems to be the introduction into our business of so-called side-lines; and it is lucky, as it happens, that many of those which suggest themselves are so closely associated with pharmaceutical knowledge and practice that they seem to fall naturally into our scheme of things. But, in any case, we ought to make a point of keeping our original business in the foreground and letting it be known that, whatever we may stock and offer for sale, we are primarily pharmacists, or dealers in chemicals and drugs, possessing specialised knowledge which enables us to render more satisfactory service in

connection with the supply thereof than can anyone else.

Optimistic Leicester

should set the pace for many other places by the live interest it takes in pharmaceutical education, as indicated by the report (p. 621) of the proceedings at the latest presentation of prizes to students attending the local College of Technology. I was particularly interested in the report of Colonel Bond's address, which must have come as a refreshing breeze to those present who were concerned about the future of pharmacy. His plea for fuller co-operation between doctors and pharmacists should receive every possible consideration, as it is quite clear that he realises the needs of the times and is able to take a long view of what the requirements of the public are likely to be in this respect. There are doubtless those who feel disposed to decry the modern tendency to train pharmacists for more important work of a professional nature than many of those now in business as chemists and druggists have any inclination to undertake; but the prospect which is being opened out is not unlikely to attract quite a large proportion of young pharmacists who are striving after better things than the mere handing over the counter of the products of other people's activities.

Legal Reports

Alleged Infringement of Trade Marks.—An action by Edwards Harlene, Ltd., Lamb's Conduit Street, London, W.C.1, against Original Vegetable Beauty Products, Ltd., Knightsbridge, S.W.1, was mentioned to Mr. Justice Bennett in the Chancery Division of the High Court on November 17. Mr. F. E. Bray, for the plaintiffs, stated that he had a motion for an interim injunction restraining the defendants from infringing trade marks by selling, offering for sale, or advertising any preparations for the hair, or similar articles, as "Arline" in any manner calculated to lead to such goods being passed off as and for the plaintiffs' goods; and from using as the name of any business carried on by the defendants in the sale of such preparations any name in which "Arline" formed part in such a manner as to lead to the belief that such was, or was connected with, the plaintiffs' business. The plaintiffs also asked for the delivery up or destruction of all goods, showcards, leaflets, stationery, name boards or other things in the possession or control of the defendants the use of which would be a breach of the injunction asked for, and an inquiry as to damages. Sir Arthur Colefax, K.C., who with Mr. Gorst appeared for the defendants, said he wanted time to answer the evidence. The motion was adjourned for a week.

Charge of Receiving Fails.—At Clerkenwell Police Court, London, on November 22, Samuel Brown (37), Townsend Road, South Tottenham, N., was charged with receiving three packets of Aspro, value 2s. 6d., the property of the London Co-operative Society, Ltd., knowing them to have been stolen or unlawfully obtained (*C. & D.*, November 4, p. 551). At the request of the defence, evidence was given by Mr. William G. Wilson, chemist and druggist, High Road, Laindon, Essex, from whom Myers had said he purchased Aspro. Mr. Wilson said he had done business with a Mr. Schulman, who had been introduced to him by a traveller. On August 20 Schulman brought to his shop Myers, who bought 2½ doz. Aspro. He was allowed five extra, and taking this into consideration the price he paid worked out at just under 11d. a packet. They were unstamped. He had bought them at the ordinary wholesale price. This was the only transaction he had had with Myers. The transactions with Schulman and Myers were the only transactions of the kind he had carried out. Mr. Daybell submitted that the case largely resolved itself into a question of whether the magistrate believed the evidence of Myers or the story told by the prisoner. The evidence for the prosecution was contradictory and not to be believed. Brown, giving evidence, said he had been in business in the Caledonian Market for eleven years and had never had any accusation or suggestion made against him in the past. He had been doing business with Myers for seven or eight years, and Myers was the only person from whom he had obtained Aspro. He paid 11s. 6d. per doz., and sold for 1s. 2d. a packet. Cross-examined, he said he gave the police every assistance. Evidence for the defence was also given by Reuben Cantor, a brother-in-law. The magistrate said this type of case was one of the most difficult to prove of those which came before the Court. It was incumbent upon the prosecution to bring evidence to show that the prisoner knew the goods in question had been stolen. No such evidence had been brought, and it was more than doubtful whether a jury would have convicted. The prisoner would be discharged.

Gazette

Bankruptcy Acts

RECEIVING ORDERS AND ADJUDICATIONS

JONES, G. O., The Pharmacy, Abersoch, Caernarvon, chemist.

REEVES, Mabel, The Parade Pharmacy, Tankerton Road, Tankerton, Whitstable, drug-store proprietress.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

INTERNATIONAL TAR & CHEMICAL PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of general dealers, manufacturers of goods relating to tar, bitumen, chemicals and their various by-products, etc.

ELVIRA COMPANY, LIMITED (P.C.).—Capital £2,625. Objects: To carry on the business of manufacturers of and dealers in toilet preparations, etc. Solicitors: Soames, Edwards & Jones, Lennox House, Norfolk Street, W.C.2.

ILFRA CORPORATION, LTD. (P.C.).—Capital £13,000. Objects: To carry on the business of manufacturers of hard rubber dust and powders, producers and manufacturers of and dealers in minerals, vegetable gums, chemicals, etc. R.O.: Thanet House, 231 Strand, W.C.2.

BRITISH DENTAL CEMENT, LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of manufacturers of and dealers in dental cements, amalgams and fittings, dental plant, manufacturing and retail chemists and druggists, etc. Solicitors: Buckeridge & Braune, 3-4 Clement's Inn, W.C.2.

JOIE DE VIVRE, LTD. (P.C.).—Capital £1,000. Objects: To acquire the trade mark "Joie de Vivre" and the goodwill of the business connected therewith, and to carry on the business of pharmaceutical, manufacturing and general chemists and druggists, etc. Solicitors: Neish, Howell & Haldane, 47 Watling Street, E.C.

CARGILLS (CHEMISTS), LTD. (P.C.).—Capital £1,500. Objects: To adopt an agreement between Florence E. Smallman and Rebecca Hutchinson of the first part, the said Florence E. Smallman of the second part, and this company of the third part, and to carry on the business of chemists, druggists, etc. Solicitor: J. G. Mahaffy, 29 Blackfriars Street, Manchester, 3.

BRITISH CYANIDES CO., LTD.—Report for the year ended June 30, 1933, shows a gross profit of £47,507, with a net profit of £12,725, compared with £9,321 for the previous twelve months. After providing for the preference dividend and the interim dividend of 3 per cent. paid on the ordinary shares in February, 1933, with percentage payable to the Rock Investment Co. amounting in all to £8,652, there remains a balance of £7,573, out of which the directors propose to place £5,000 to reserve, making £30,000, leaving a balance of £2,573 to be carried forward. Meeting at Southern House, Cannon Street, London, E.C.4, on November 29, at noon.

TIMOTHY WHITES (1928), LTD.—Report for the year ended September 30, 1933, shows a profit of £201,504, compared with £186,263 for the previous twelve months. Depreciation, £18,925; income tax, £45,641; and dividends on preferred stock, £94,275. The directors recommend a final payment of 10 per cent. on the deferred ordinary shares, making 15 per cent. for the year (against 10 per cent. in the previous financial year). The balance carried forward is £20,269. The report states that if the figures of trading since September 30 are maintained further expansion may be expected in the current financial year. Meeting at Hotel Victoria, Northumberland Avenue, W.C., on Friday, December 15, at noon. Notices have been issued convening an extraordinary meeting of shareholders to be held on the same day as the annual meeting, when shareholders will be asked to pass resolutions amending the name of the company by deleting "(1928)" from the company's title. There will also be resolutions proposing that the deferred ordinary shares of one shilling be consolidated into five shilling deferred ordinary shares.

Irish Free State Dangerous Drugs Bill

ON November 15 the Dangerous Drugs Bill, 1933, was introduced in Dail Eireann by the Minister for Justice. The Bill as printed (Government Publications Sale Office, 5 Nassau Street, Dublin, C.2: 4d.) contains thirty-six sections. The Bill is entitled "An Act to make further and better provision for regulating and controlling the importation, exportation, manufacture, sale and use of opium, morphine, cocaine, and other dangerous drugs, and for purposes connected with the matters aforesaid." In indicating its contents we make a brief comparison with corresponding portions of the Dangerous Drugs Act, 1920, where applicable.

PART I—PRELIMINARY AND GENERAL

Section 1 gives the title of the Act, and provides for fixing different dates for the coming into operation of different provisions and in relation to different countries.

Section 2 defines, among other phrases, "raw opium," "coca leaves," "Indian hemp," "prepared opium" and "medicinal opium."

The three kinds of opium were defined in Section 15 of the 1920 Act. The definitions of the first two are retained, but medicinal opium is, in the Bill, "raw opium which has undergone the process necessary to adapt it for medicinal use in accordance with the requirements of the Saorstát Eirann Pharmacopœia, whether it is in the form of powder or is granulated or is in any other form, and whether it is or is not mixed with neutral substances."

Section 3 defines the expression "corresponding law" (of other countries).

Section 4 deals with the application of the Customs Consolidation Act, 1876.

The wording follows that of Section 9 of the 1920 Act, with the addition of a subsection conferring on officers of Customs and Excise the power of detention and seizure.

Section 5 confers on officers of the Minister for Posts and Telegraphs the power of detaining and opening postal packets.

Section 6 reads: "The Minister may by order make regulations in relation to any matter or thing referred to in this Act as prescribed."

"The Minister" is the Minister for Justice (Section 2).

Sections 7, 8, 9 provide for (7) the laying of orders and regulations before each House of the Oireachtas, (8) expenses, and (9) the collection and disposal of fees.

Section 7 corresponds, *mutatis mutandis*, with Section 11 of the 1920 Act.

Section 10 repeals the Dangerous Drugs Act, 1920.

Section 11 continues the effect of licences and authorities granted under the 1920 Act.

PART II—RAW OPIUM, COCA LEAVES AND INDIAN HEMP

Section 12 adds to the names of the substances mentioned in the heading of Part II "and resins obtained from Indian hemp and all preparations of which such resins form the base."

Sections 13 and 14 deal respectively with the issue of import permits and export permits.

These Sections are elaborations of Sections 1 and 2 of the 1920 Act, which, however, related to raw opium only.

Section 15 confers on the Minister power to control by regulation "the production, possession, sale and distribution of any substances to which this part of the Act applies."

This provision is an extension of Section 3 of the 1920 Act, and contains, *inter alia*, a penal clause.

PART III—PREPARED OPIUM

Sections 16 and 17 repeat the prohibitions of Sections 4 and 5 of the 1920 Act, which cover importation, exportation, and use.

PART IV—MORPHINE, COCAINE AND CERTAIN OTHER DRUGS

Section 18 (1) names the drugs to which this Part of the Act applies, viz.:—

(a) Medicinal opium; (b) any extract or tincture of Indian hemp; (c) morphine and its salts, and diacetylmorphine (commonly known as diamorphine or heroin) and the other esters of morphine and their respective salts; (d) cocaine (including synthetic cocaine) and ecgonine and their respective salts, and the esters of ecgonine and their respective salts; (e) any solution or dilution of morphine or cocaine or their salts in an inert substance whether liquid or solid, containing any proportion of morphine or cocaine, and any preparation, admixture, extract, or other substance (not being such a solution or dilution as aforesaid) containing not less than one-fifth per cent. of morphine or one-tenth per cent. of cocaine or of ecgonine; (f) any preparation, admixture, extract or other substance containing any proportion of diacetylmorphine; (g) dihydrohydroxycodone, dihydrocodeinone, dihydromorphinone, acetyldihydrocodeinone, dihydromorphine, their esters and the salts of any of these substances and of their esters, morphine-N-oxide (commonly known as genomorphine), the morphine-N-oxide derivatives, and any other pentavalent nitrogen morphine derivatives; (h) thebaine and its salts, and (with the exception of methylmorphine, commonly known as codeine, and ethylmorphine, commonly known as dionin, and their respective salts) benzylmorphine and the other ethers of morphine and their respective salts; (i) any preparation, admixture, extract or other substance containing any proportion of any of the substances which are, by virtue of paragraph (g) or paragraph (h) of this subsection, drugs to which this Part of the Act applies; (j) such other drugs as may be declared by order of the Executive Council made under this section to be drugs to which this part of this Act applies.

Section 18 (2) repeats, with addition and variation, the provision in Section 8 (2) of the 1920 Act regarding the inclusion of new derivatives "or any other drug of whatever kind" within the scope of the Act.

Section 18 (3) provides for the removal of a drug from this Part of the Act.

Section 18 (4) gives the Executive Council power to revoke any order made under Section 18 (2) or (3).

Section 18 (5) defines (a) "ecgonine" as "laevo-ecgonine and . . . any derivatives of ecgonine from which it may be recovered industrially"; (b) morphine as anhydrous morphine in percentage calculations; (c) percentages in liquid preparations as meaning weight in volume percentages.

Section 18(5)(b) is taken from the 1920 Act.

Sections 19 and 20 deal respectively with the issue of import permits and export permits.

These Sections are elaborations of Section 6 of the 1920 Act, and are almost identical textually with Sections 13 and 14 of this Bill.

Section 21 (1) gives the Minister power to make regulations for various purposes, and in particular for:—

(a) Prohibiting the manufacture of any such drugs except on premises licensed for the purpose and subject to any conditions specified in the licence; (b) prohibiting the manufacture, sale or distribution . . . except by persons licensed or otherwise authorised . . .; (c) regulating the issue by registered medical practitioners of prescriptions containing any such drug and the dispensing of any such prescriptions; (d) requiring persons engaged in the manufacture, sale, or distribution . . . to keep such books and furnish such information . . . as may be prescribed by such regulations.

This subsection closely follows Section 7 (1) of the 1920 Act.

Section 21 (2) provides for regulations authorising any pharmaceutical chemist, chemist and druggist, or registered druggist in business (a) to manufacture at the shop in the ordinary course of his retail business any preparation, admixture, or extract to which this Part applies; (b) to carry on at the shop the business of retailing,

dispensing or compounding any such drug. The Minister may withdraw the authorisation in the case of conviction of an offence.

A similar provision appeared in the 1920 Act, Section 7 (2); but the Minister had to consult the Council of the Pharmaceutical Society before withdrawing the authorisation.

Section 21 (3) reaffirms the provisions of the Pharmacy Acts with regard to the retailing of poisons and compounding of prescriptions.

Compare Section 7 (3) of the 1920 Act.

Section 21 (4), (5), (6) deal in general terms with the grant of licences, with fees and with contraventions.

PART V—METHYLMORPHINE AND ETHYLMORPHINE

Section 22 names codeine and dionin as the substances to which this Part of the Act applies.

Section 23 provides for the application of Part IV to Part V by order of the Executive Council, with any modifications specified, and for the revocation or amendment of any such order.

PART VI—PRODUCTS OF PHENANTHRENE ALKALOIDS OF OPIUM AND OF ECGONINE ALKALOIDS OF THE COCA LEAF

Sections 24, 25, 26 define the alkaloids referred to in the heading of Part VI, prohibit manufacture and trading in these products, provide for the application of Part IV to them, and for the revocation or amendment of any referable order made by the Executive Council.

PART VII—MISCELLANEOUS OFFENCES

Section 27 deals with the procuring of an offence outside the Irish Free State by a person in the Irish Free State.

Section 28 provides against false statements made for the purpose of obtaining a licence or other authority.

Section 29 deals with attempting or inciting to commit an offence.

Section 30 sets forth the degree of liability of directors and officers of companies for offences committed by the companies.

PART VIII—INSPECTION, SEARCH AND ARREST

Section 31 (1) authorises any member of the Garda Síochána to enter and inspect premises, to demand the production of books and documents, and to inspect stocks.

Section 31 (2) deals with obstruction of any person indicated in subsection (1).

Similar provisions are made in Section 10 (1) and (2) of the 1920 Act.

Section 31 (3) defines "inspector."

Section 32 regulates the issue and execution of search warrants.

Section 33 provides for arrest without a warrant.

This Section closely follows Section 14 of the 1920 Act.

PART IX—PENALTIES FOR OFFENCES, AND LEGAL PROCEEDINGS

Section 34 prescribes the following penalties:—(a) On summary conviction, a fine up to £50, with or without hard labour up to six months; (b) on conviction on indictment, a fine not exceeding £500, with or without penal servitude not exceeding five years.

Section 35 deals with the onus of proof in legal proceedings.

Section 36 gives a time limit for the commencement of summary proceedings—six months from the commission of the alleged offence or three months from the date of bringing the relevant evidence to the notice of the Attorney-General.

Pharmaceutical Society of Ireland

Council Meeting

THE November monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on November 14. Mr. P. J. Fielding (president) in the chair. Other members of the Council present were Messrs. D. Warwick, P. Brooke Kelly, J. T. Dwyer, J. Gleeson, M. J. Kieran, Dr. J. A. Mitchell, Miss F. M. Flood, Sir Thomas Robinson, Messrs. J. A. O'Rourke, M. J. Parkes, T. J. Smith, C. Cremen, B. P. Hickey, J. Duggan and A. Farrington. Apologies for inability to attend were received from Mr. D. W. P. Boyd and Mr. J. Costello.

CORRESPONDENCE

The following letter was read from Mr. P. M. Kavanagh, M.P.S.I., 1 High Street, Galway:—

"I wish that you would lay before the Council the following very serious question at next meeting. It concerns the delivery of urgent medicines, including serums, etc., to chemists in provincial towns generally. I wired recently for erysipelas antitoxin. It was sent from London that evening, arrived in Galway the following morning (per letter post). Post Office officials returned it to Dublin. Suspected contraband. Dublin wrote to me to be present at the office there on opening. I replied to open and immediately forward, and it came along the next day. This notwithstanding it was registered and labelled "not dutiable." The same thing occurred in connection with other orders almost as urgent. . . . Hoping the Council will seriously consider the matter, which is, as you will understand, a question of life and death, and chemists sometimes have a conscience."

THE PRESIDENT said that Dr. Mitchell might perhaps take up the matter with the Therapeutic Substances Committee, of which he was a member.

DR. MITCHELL: My Committee will not have very much to do with this matter. It is really a matter for the Department of Posts and Telegraphs. My Committee is under the Department of Local Government.

MR. BROOKE KELLY: Your Committee has to do with the importation of these substances.

THE REGISTRAR (Mr. J. J. R. Kerr) said he would take up the matter with the Department of Posts and Telegraphs, but he could hold out no hope.

MR. KIERAN: If this anti-toxin is obtainable in the Free State, I don't see that he has much redress.

THE REGISTRAR: The Post Office authorities can hold up any parcel they think contains contraband.

MR. JOHN J. GAYNOR (law adviser) wrote stating that he had paid over the balance of £200 to the Pembroke Estate in connection with the granting of a reversionary lease to the Society. Mr. Gaynor further reported on the result of the recent prosecution against Dr. Hynes, Summerhill, Dublin. The law adviser further reported on the result of the taxation of Dr. V. Kieran's costs, and it was agreed to that the sum of £193 8s. found due be paid to Dr. Kieran.

CHANGE OF NAME

Mrs. Byrne, Ph.C. (née Lappin) wrote submitting marriage certificate and requesting change of name in the Register. The application was granted.

CHANGES OF ADDRESS

The following changes of address were notified:—

Miss M. C. Fox, M.P.S.I., from Milltown Pass, co. West Meath, to 17 Upper Ormond Quay, Dublin. Miss D. M. Fair, L.P.S.I., from Roundfort, Hollymount, co. Mayo, to Central Medical Hall, Ltd., Main Street, Ballinrobe, co. Mayo. Messrs. P. Brady, M.P.S.I., from Barconey, Ballyjamesduff, to The Pharmacy, Kilnaleck, co. Cavan. James Moran, M.P.S.I., from Quay Street, New Ross, co. Wexford, to 3 Carysfort Avenue, Blackrock, Dublin. T. Stewart, M.P.S.I., from 60 Catherine Street, to 51 Upper William Street, Limerick. J. P. Bourke, L.P.S.I., from 27 Upper Merriem

Street, to Lisheen, Terenure Road, East, Dublin. C. J. Farren, L.P.S.I., from 2 Fairview Avenue, Moville, co. Donegal, to Victoria Park, Buncrana. M. Fortune, L.P.S.I., from Doononey to Adamstown, co. Wexford. F. T. Hoey, L.P.S.I., from 49 Highfield Road, Rathgar, to 33 Victoria Road, Clontarf. C. F. Kirwan, L.P.S.I., from Lion House, 11 Warrington Place, Dublin, to 38a Hamilton Terrace, St. John's Wood, London, N.W.8. W. J. Stevenson, L.P.S.I., from 14 Sharman Road, Belfast, to 57 Maryville Park, Belfast. E. J. Sullivan, L.P.S.I., from 149 Lower Drumcondra Road, Dublin, to 24 Marino Mart, Fairview, Dublin.

PRELIMINARY REGISTRATION

The following, who submitted Matriculation certificates, were granted Preliminary registration:—Misses C. Campbell and M. B. Lyon, Messrs. M. W. Gaffney, J. Ryan, H. Cashell, J. Doonan, and P. J. Shields.

REPORTS OF COMMITTEES

The reports of the House, Law, Schools, and Benevolent Fund Committees were submitted and adopted. Arising out of the Benevolent Fund Committee's report a resolution was adopted conveying the best thanks of the Society to the Irish Chemists' Golfing Society, Limerick and District Retail Chemists' Association, Mr. James Duggan, M.C.P.S.I., Clontarf, Mr. Cooke, Borrisokane, Mr. B. Murphy, London, an anonymous annual contributor, and another anonymous contributor for their generous donations to the Benevolent Fund.

LICENCE EXAMINATION

The examiners reported that ninety-four candidates entered for the Licence examination, of whom seven withdrew, two passed with honours, seventeen others passed, and one candidate was given the Assistants' qualification. For the Assistants' examination thirty-eight candidates entered and fourteen passed. For the Registered Druggists' examination four entered and one passed.

DEPUTATION FROM THE REGISTERED DRUGGISTS' ASSOCIATION

The Council received the following deputation on behalf of the Registered Druggists' Association:—Messrs. S. P. Cullen, G. Darlington, and J. A. Dillon.

Mr. DILLON, acting as spokesman of the deputation, stated that their Association, which represented the big majority of the registered druggists in the Free State, at a meeting passed a resolution to the effect that while they fully appreciated the necessity of having poisonous drugs kept under the control of duly qualified persons they viewed with alarm the passing of a motion by the Pharmaceutical Society (*C. & D.*, 1933, I, 532) on the subject of habit-forming drugs. Their Association, he said, protested strongly against the action of the Council in sending a copy of this motion to the Minister of Justice suggesting that it be embodied in the Bill. They were of opinion that as the registered druggist was entitled to sell poisons and the drugs referred to by law, the motion sought to interfere with the statutory rights of the registered druggists. Their Association authorised the deputation to ask the Pharmaceutical Society to withdraw the motion, and publish the fact in the trade journals, or to have the motion adopted in an amended form.

THE PRESIDENT: Well, gentlemen, we are very much obliged to you for coming in and putting your views before us. Your views will have the very best attention of the Council, who are interested in the associate druggist as well as the pharmaceutical chemist. I am quite sure the matter will have the attention of the Council.

The members of the deputation thanked the Council for receiving them and then withdrew.

BUILDING SCHEME

Mr. P. BROOKE KELLY moved the following motion standing in his name:—"That a subcommittee be formed at once to inquire into, submit plans as to equipment, building, etc., in connection with our proposed Pharmaceutical Materia Medica and Research Laboratory, Examination Hall and Porter's Lodge." They were all aware, Mr. Brooke Kelly said, that the Society had got the lease through for that purpose. The classrooms were

overcrowded, and naturally they wanted to get things in order. They were also under an obligation to get some repairs done to the roof.

Mr. PARKES said he would second the resolution in so far as it proposed to go into the question of building, but there was no proposal before them with regard to a Research Laboratory. If they allowed a resolution to go on the books proposing such a project they might be bound by it.

Mr. BROOKE KELLY: My resolution only says "to inquire into."

After discussion a resolution in the following form was adopted:—"That a subcommittee be formed at once to inquire into, submit plans as to equipment, building, etc." Messrs. F. J. Fitzpatrick, D. Warwick, T. J. Smith, J. A. O'Rourke and D. W. P. Boyd were constituted the subcommittee.

THE CONDUCT OF EXAMINATIONS

Mr. T. J. SMITH moved:—"That the Regulations be amended as follows—Regulation 2 (page 80 of Calendar), delete the words 'and all Examinations shall be open to Members of the Society, or Members of the Council.'" He said that he brought in this motion in the interests of candidates. There were complaints from candidates that members abused this privilege and students were upset. The withdrawal of the privilege would not affect many members of the Society, as it was rarely used by country members. It would be much better if the examination were left in the hands of the examiners and no persons allowed to be walking about upsetting the candidates.

Mr. WARWICK, who seconded the motion, said he agreed with Mr. Smith that it was very unfair to the candidates to have people walking about the room and talking. No other body allowed people in to examinations in the way they did. He would not be in favour of keeping out members of the Council, but would ask them to attend on certain days.

THE REGISTRAR stated that the passing of Mr. Smith's motion would not prevent the Council authorising any persons they nominated attending the examinations. As the regulations stood at present the entire 500 members of the Society could come in.

THE PRESIDENT said he had a bitter complaint from a candidate. After further discussion, Mr. Warwick's suggestion was agreed to, and the motion was carried.

EXAMINATION IN PRACTICAL PHARMACY AND POISON LAW

As Mr. Fitzpatrick was unwell, Mr. WARWICK moved the following resolution standing in Mr. Fitzpatrick's name:—

(a) That the pharmacy examiners be directed to examine jointly in practical pharmacy. (b) That in lieu of the oral examination in poison law a short paper be set in poison law by the examiners jointly, the time allowed to be one hour, the paper to be set and examined in the same manner as the pharmacy paper. (c) That the Society's examiners attach to their report of the examinations a marked copy of the questions set at each examination showing, in addition to the total marks, the marks allotted to each question and each subdivision thereof. The candidates' answer papers to be clearly marked in ink with the marks awarded to each answer."

Mr. WARWICK said he did not agree with the method of dividing the candidates into two lots and each examiner doing his work separately. If things were done separately, it did not give both examiners a chance of learning what each candidate knew. The second proposal was to have a paper set in poison law, instead of oral questions as at present. If a paper were set, candidates would go to greater trouble in making up their poison law. At the present time the poison law was wider than it was twenty years ago, yet the average assistant knew very little about it. The third part of the motion set out the way in which papers should be marked. The idea of this was to have an exact record so that the paper could be turned up to see what marks a candidate got.

Mr. O'Rourke said he agreed with all of the resolution except that part of (c) which stipulated that marks be shown for each subdivision. He did not think it wise to go into such detail.

Mr. GLEESON said if he was satisfied that they were

not dictating to the examiners he would agree with (a). Regarding (c) he was not clear who was to check the marks.

THE REGISTRAR said that the papers were kept for ten years in case any question arose as to a candidate's marks.

MR. GLEESON said he was satisfied, and the motion, which was seconded by MR. BROOKE KELLY, was carried.

EXAMINERS ELECTED

DR. KEANE was elected examiner in chemistry to the Licence examination for the year ending November 1, 1934. For the same period Mr. Murphy was elected examiner in pharmacy and Mr. Smith examiner to the R.D. examination.

ELECTIONS AND NOMINATIONS

The following were elected members of the Society:—Mrs. M. J. Brennan, Miss G. G. O'Leary, Messrs. C. I. Davis, K. A. Bowman, M. Burke, J. S. McHugh, J. B. M'Devitt, T. J. O'Connor, C. R. O'Carroll, Dr. J. J. O'Driscoll, Messrs. W. J. Stack, P. J. Kennelly and J. J. Flanagan.

The following were nominated for membership:—Miss M. Morris, 23A Main Street, Donnybrook. Messrs. R. J. McCullagh, Main Street, Blackrock. Dr. J. P. Bourke, Lisheen, Terenure Road East, Dublin. J. J. Murray, 25 Mitchell Street, Nenagh. J. Moran, 3 Carysfort Avenue, Blackrock. Michael Fortune, Adamstown, co. Wexford. Thomas Hunt, Upper Cork Street, Mitchelstown, co. Cork. H. B. O'Donoghue, Virginia, co. Cavan. T. J. Carroll, The Medical Hall, Kilmallock. T. Stewart, 51 Upper William Street, Limerick. J. P. Crowe, 16 South Richmond Street, Dublin. B. R. Smith, Falite, Iona Road, Dublin.

LICENCES SEALED

The Pharmaceutical Licences of the following were signed and sealed:—Ellen Carey, Saul Coleman, J. A. Burke, S. Crosse, P. T. Crowley, M. J. Farrell, T. Gleeson, T. J. Griffin, R. L. Hanna, P. J. Hession,

M. A. Kangley, N. Kieran, R. J. McCullagh, J. A. M'Keown, M. Power, W. C. G. Rush, P. J. Sweeney, W. T. Turner, R. P. Walker.

CEREALS ACT

When "Other Business" was reached on the agenda, MR. SMITH said he would like to raise the question of the amendment of the Cereals Act which was coming before the Dail. He thought some action should be taken by the Council with regard to the section in the Act dealing with veterinary medicines. He suggested that a special meeting of the Law Committee be held to go into the matter.

MR. BROOKE KELLY: We want the reference to medicines in the Cereals Act deleted.

It was eventually decided to arrange to have a deputation received by the President of the Executive Council on the matter.

THE REGISTERED DRUGGISTS' PROTEST

MR. KIERAN said as the Druggists' representative on the Council he would like to refer back to the deputation received by them that day. He was not present at the Council meeting at which the resolution was passed to which the Druggists' Association took exception. He certainly thought that resolution did interfere with the status and rights of the druggists, and as the druggists' representative he wished now to enter his protest against it.

MR. O'ROURKE said that as proposer of the resolution he would like to make it clear that there was no intention behind it to take away any of the druggists' rights from them. The real object was to ensure that in the wholesale houses where drugs were being manufactured a pharmaceutical chemist was in control. The druggist was not mentioned in this connection since he passed no examination in compounding.

MR. KIERAN: My objection is that the resolution indirectly hints at the right of trading.

THE REGISTRAR: The Council had no intention of interfering with the druggists' rights, and that was stated in writing to them.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE first Council meeting of the Pharmaceutical Society of Northern Ireland to be held in the new premises, 73 University Street, Belfast, took place on November 17, the vice-president (Mr. W. Martin) in the chair. There were also present Messrs. R. I. Edwards, Samuel Gibson (treasurer), Fred Storey, J. E. Connor, S. S. Badger, A. C. McBride, H. F. Moore, G. W. T. McCann, S. H. Forrest, Walter Tate, Professor Small, and Dr. Acheson. Mr. D. L. Kirkpatrick (secretary) was in attendance. Apologies for absence were received from Messrs. J. F. Grimes and W. S. Taylor.

CORRESPONDENCE

Mr. John Keall, president of the Pharmaceutical Society of Great Britain, writing with reference to the opening of the Society's headquarters in Belfast, said his visit had been a wonderful experience and it would remain a delightful memory of good fellowship and true Irish hospitality.

Mr. Herbert Skinner, a past-president of the Pharmaceutical Society of Great Britain, wrote thanking the Council for its congratulations and the accompanying gift of linen on the occasion of his marriage, and asking the members to accept the heartiest thanks of his wife and himself.

The principal of the High School, Ballycastle, wrote thanking the Council for recognising the school for the teaching of physics and chemistry for the Preliminary Scientific examination.

The secretary of the Ulster Retail Drug Trade Association wrote saying that one of their members wished to

know the proper procedure to be adopted by chemists for the purpose of verifying the genuineness of prescriptions purporting to be issued by medical and dental practitioners. The Committee has asked him to pass the inquiry on.

THE SECRETARY said the only thing he could refer them to was the Statutory Rules and Orders dated 1928, and pars. 8 and 9, pp. 164-65, in the Calendar. MR. STOREY said no trouble would arise with an ordinary prescription. THE SECRETARY said it was Dangerous Drugs Act prescriptions that were meant. MR. CONNOR suggested referring the matter to the Home Office. THE SECRETARY said the Home Office would refer them to the orders. It was decided to refer the U.R.D.T.A. to the Statutory Rules and Orders of 1928.

A letter from the Pharmaceutical Society of Great Britain regarding the 1935 British Pharmaceutical Conference was referred to the General Purposes Committee.

MR. L. MORETON-PARRY, Liverpool, wrote congratulating the Society on the acquisition of its new premises, "the successful issue of a long cherished ideal," and cordially wishing continued success, prosperity and happiness to the Pharmaceutical Society of Northern Ireland.

THE OPENING OF THE NEW PREMISES

MR. STOREY moved a vote of thanks to the chairman of the House Committee (Mr. Edwards) and the members, the secretary and Miss Kirkpatrick for their work in connection with the opening of the new premises. They had done splendid work, and the function had given the Society a lift that nothing else could have done. They

were specially indebted to Mr. Edwards and Mr. Kirkpatrick.

MR. MCBRIDE, in seconding, said they had a beautiful building. It was second to none, and the Committee had certainly done its work well. The manner in which the building had been furnished could not have been excelled. The opening had gone off very well indeed.

MR. EDWARDS, briefly replying, said it had been a labour of love to him. The guests at the opening and the "At Homes" had spoken most highly of the building.

MR. KIRKPATRICK also returned thanks, and said it was easy for the secretary to do his best when he had a genial chairman and a good committee at his back.

On the motion of MR. MCBRIDE, seconded by PROFESSOR SMALL, a vote of thanks was accorded to Mr. Storey for his services at the opening, especially in connection with his speech.

Gifts for the Society's rooms were received from Mr. W. Macartney, manager of Messrs. Grattan's, and a handsome clock was presented by Mr. Edwards, chairman of the House Committee. Mr. Macartney's gift took the form of a demijohn and a valuable otto of rose jar.

On the motion of MR. BADGER, seconded by MR. CONNOR, the thanks of the Council were tendered to the donors.

REGULATIONS FOR INDENTURES

The secretary submitted a draft of the proposed regulations regarding indenturing of apprentices, and it was ordered to be sent to the Ministry of Home Affairs. The Council fixed February 1, 1934, as the date for coming into force of the indentures.

EDUCATION COMMITTEE

The Education Committee reported a resolution that the certificate of apprentice to a pharmaceutical chemist be granted to the following, who submitted certificates:—

Andrew Byron Johnston, Ardoon, Avenue Road, Lurgan; Thomas Rea, The Roddens, Larne (Pharmaceutical Preliminary Examination, Queen's University).

James Matchett Wilson, 467 Cregagh Road, Belfast; Thomas Douglas McDowell, 37 Bellevue Street, Belfast (Matriculation Examination, Queen's University).

John Gerard Foley, 10 Northland Avenue, Londonderry (Senior Grade, Ministry of Education, Northern Ireland).

James Patterson, 29 Bingham Street, Bangor; Daniel Leo McArdle, Aughnamoira, Newry; Edith Maud Skelton, Campton, Ballysillen Road, Belfast; Emma Mary Agnes O'Donnell, 37 William Street, Londonderry (Preliminary Examination, Royal College of Physicians and Surgeons).

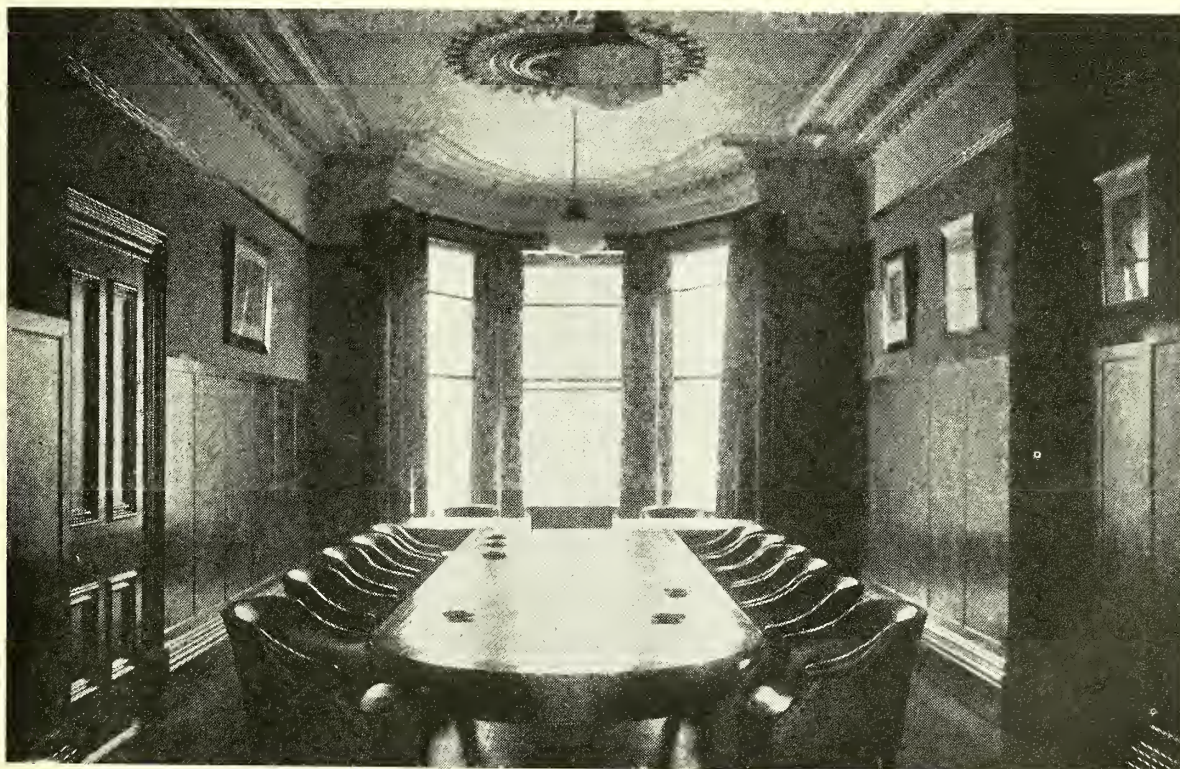
James Joseph Fitzsimons, 19 Caulfield Terrace, Newry; Joseph Stoupe Corry, 10 Victoria Avenue, Newtownards; James Russell, Carr, Lisburn; Basil Monteith, Windsor House, Portstewart; Terence Toal, 1 Mountainview Terrace, Ardoyne, Belfast; Francis Johnston, Kilrea Road, Cullybackey; Andrew Wesley Gamble, Dunross, Portrush; Thomas Bernard Bourke, 58 Wellington Park, Belfast; James Palmer Lawrence, Lisabanagh, Magherafelt; Bernard Aloysius O'Kane, 53 Foyle Street, Londonderry; James Alexander Strahan, 10 Knockbreda Park, Belfast; Eileen Nora McMichael, Ann Street, Ballycastle (Junior Certificate, Ministry of Education, Northern Ireland).

The total number of candidates entered for the Preliminary Scientific and Final examinations is eighty-two, fifty-seven under Preliminary Scientific examination and twenty-five under Final examination. Under Preliminary Scientific examination there are twenty-three new candidates and thirty-four others, and under Final there are six new candidates and nineteen others.

On the motion of MR. CONNOR, seconded by MR. GIBSON, the report was adopted. The following members were appointed to attend the December examinations:—December 4, Messrs. Edwards and Storey; December 5, Messrs. Moore and Gibson; December 6, Messrs. McBride and McCann; December 7, Mr. Forrest and Dr. Acheson.

MEMBERS ELECTED

The following nominated candidates were elected members of the Society, on the motion of MR. STOREY, seconded by MR. MCBRIDE:—Messrs. John Mackintosh Watson, 15-16 Bridge Street, Ballymena; Alexander Stewart, 126 Castlereagh Road, Belfast; William Henry Macartney, Rathleacan, Shore Road, Belfast.



Photo]

THE COUNCIL ROOM, PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

W. & G. Baird, Ltd.

Festivities

South-Eastern Ladies' Night

THE social and dance organised by the Ladies' Committee of the South-East London Chemists' Association, of which Mrs. Daisy Hay, M.B.E., is chairman, was held at Chiesmans' Restaurant, Lewisham, on November 2. About 100 guests were present, and the genial atmosphere which prevailed was largely due to the great care which the organisers had taken to ensure the happiness of the party. Dancing commenced at 8 p.m. and continued until midnight. After supper a vote of thanks to Mrs. Hay and her committee was proposed by Mr. E. Richardson.

Glasgow Pharmacy Club Whist Drive

THE first whist drive of the season, under the auspices of the Glasgow Pharmacy Club, was held on November 7, when over 100 members and friends were present. The prizes were presented to the winners by Mrs. P. Govan, on behalf of the donors (Jas. Taylor (Trongate), Ltd.), as follows:—*Ladies*, (1) Miss L. Miller; (2) Mrs. Eunson; (3) Mrs. W. Muir; (lady playing as gentleman) Miss M. McEwan; (consolation) Miss J. G. Brown; (mystery prize) Miss K. McLean. *Gentlemen*, (1) Mr. A. W. Calder; (2) Mr. W. W. Simpson; (3) Mr. V. Lever; (consolation) Mr. D. McNicol; (mystery prize) Mr. W. J. Moffat. Votes of thanks to the donors, to Mrs. Govan and to the president concluded a happy evening.

Edinburgh Golfers at Whist

THE annual whist drive of the Edinburgh Chemists' Golf Club was held on November 15, when there was a large gathering of members and friends. The prize-winners were as follows:—*Ladies*, (1) Mrs. Hay; (2) Mrs. Kemp; (3) Mrs. Foote; (consolation) Mrs. Gray. *Gentlemen*, (1) Mr. W. A. M. Hourston; (2) Mr. A. Irvine; (3) Miss A. McEwan (playing as gentleman); (consolation) Mr. G. Hadden. The prizes were presented by Mrs. Hourston, who also presented the principal golf trophies won during the season. During the evening songs were rendered by Miss Fisher and Mr. Mark Stoddart, while Mr. Fisher presided at the piano.

Newport Chemists' Dance

THE annual dance of the Newport and Monmouthshire Chemists' Association was held at the Westgate Hotel, Newport, recently, and was considered to be one of the best of a long series of similar functions. Facilities for playing whist were available for those who did not care to dance, and several good prizes were offered. The highest score among the ladies was achieved by Mrs. M. Worthington, and that for the gentlemen by Dr. F. W. Robertson. Mr. Ben Evans (Newport) acted as M.C. The M.C.s for dancing were Messrs. C. C. Giles and Jared Edwards, and the Committee responsible for the arrangements were Messrs. B. Thomas (president of the Association), J. C. W. Evans (secretary), E. T. Card (treasurer), Jared Edwards, T. J. Badgett, C. C. Giles and Ben Evans.

Liverpool Smoking Concert

ON November 15 the Liverpool Chemists' Association held a successful smoking concert at the Adelphi Hotel, Liverpool, in aid of the Pharmaceutical Society's Benevolent Fund. Mr. E. Saville Peck (vice-president of the Society) was the guest of the evening, and Mr. H. Humphreys Jones presided over the gathering, which included Mr. L. Moreton Parry, Mr. W. H. Clubb, Messrs. Wokes, Hirst and Evans. In his appeal on behalf of the Benevolent Fund, Mr. Peck said he felt at that moment rather like the speaker to whom a chairman once said:—"Will you now make your speech, or will you allow the company to enjoy themselves?" He was glad to be at that function, as it was one of the most important of the year. Their chairman, he understood, was the most prominent Welshman in Liverpool. They

were there that night to remember those who had not been so fortunate and for whom the Benevolent Fund was instituted. Last year the amount of the Christmas box had to be decreased because there was not sufficient left. It would be a great relief to him if he could go to the Council and tell them that the response to the appeal that night would enable them to pay the full amount to the annuitants at Christmas. Mr. H. Humphreys Jones made a presentation during the evening to Mr. S. Hughes, in recognition of his services as treasurer during the past ten years. Musical items were rendered by the Merseyside Quartet.

West Glamorgan Function

THE annual whist drive and dance of the West Glamorgan Branch of the Pharmaceutical Society was held at the Connaught Rooms, Masonic Hall, Swansea, on November 16. More than 200 guests attended, a record for the function. Whist took place during the early part of the evening under the direction of Mr. J. S. Gilbert. Prizes were presented by the Mayor of Swansea to the whist winners and to the successful golfers at the various meetings during the year. The whist winners were as follows:—*Ladies*, (1) Miss D. M. Rees; (2) Mrs. O. H. Jones; (consolation) Miss A. Thomas. *Gentlemen*, (1) Mr. W. H. Vaughan; (2) Mr. H. F. Andrews; (consolation) Mr. John Rees. The prizes were given by The British Drug Houses, Ltd., I. Rowland James, Ltd., Allen & Hanburys, Ltd., and Ayrton, Saunders & Co., Ltd. The golf cups and replicas won during the season were as follows:—West Glamorgan cup, given by Mr. I. Rowland James, won by Mr. T. Lewis (Morriston), and replica for 1932; Evans Sons, Lescher & Webb cup, 1933, won by Mr. John Murray (Cardiff); replica for 1932 won by Mr. Hyatt Jenkins (Treherbert). The happy spirit which prevailed throughout the whole of the evening must have been exceedingly gratifying to the organisers, who included Mr. C. R. Dickens, secretary; Mr. H. Wynne Jones, Briton Ferry, president; Mr. E. Shatz, vice-president; Mr. John Rees, treasurer; and a Committee consisting of Messrs. J. H. Kent, J. S. Gilbert, M. Lynn, Mr. and Miss Isaac, Mr. and Mrs. K. Olson, Mr. T. G. Lawrence, and Mr. T. Rees, assistant secretary.

Portsmouth Dinner and Dance

THE annual dinner and dance of the Portsmouth and District Branch of the Pharmaceutical Society was held on November 8. Mr. F. Hemming (chairman) presided over a representative attendance, which included as guests Mr. T. Hardy (a member of the Society's Council), Dr. W. Martin (president of the Portsmouth Division of the B.M.A.), Mr. R. P. Page (city analyst) and Mrs. Page, Mr. H. C. Sawyer (clerk to the Portsmouth Insurance Committee) and Mrs. Sawyer, and Mr. L. B. Berney (principal of the Portsmouth Municipal College) and Mrs. Berney. Mr. A. B. Sparrow (Purley), a past-chairman, was also present. Dr. W. Martin proposed the toast of "The Pharmaceutical Society." Dr. Martin referred to the excellent relations existing between the medical and pharmaceutical professions in Portsmouth. Mr. Hardy, responding, referred to the Pharmacy and Poisons Act, and urged all to do their utmost to ensure the smooth working of the Act. Mr. Hardy also made a strong appeal on behalf of the Benevolent Fund. The chairman (Mr. F. Hemming) was toasted at the call of Mr. T. O. Barlow, who spoke of the keen interest Mr. Hemming takes in pharmacy locally, and of the success of the Pharmacy Department of the Municipal College of which Mr. Hemming is head. Mr. W. R. Atterbury, in a humorous strain, proposed "Our Guests," and expressed the hope that the good feeling between medicine and pharmacy would long be maintained. Responding for the guests, Mr. H. C. Sawyer mentioned the cordial relationship which existed between the Insurance Committee, the Pharmaceutical Committee and the chemists generally. Mr. A. B. Sparrow also replied. On

the call of Mr. G. W. Darling "The Ladies" were toasted; Mrs. W. L. B. Murray responded. Dancing was then commenced. All the arrangements were in the hands of the entertainment secretary, Mr. T. A. Johnson.

Manchester Annual Dinner

THE annual dinner and dance of the Manchester Pharmaceutical Association took place on November 15 at the Midland Hotel. The guests were received by the president (Mr. E. H. Simmons) and his daughter (in the absence of Mrs. Simmons). The company included the Lord Mayor and Lady Mayoress of Manchester and the president of the Pharmaceutical Society (Mr. John Keall). Mr. Simmons, in proposing the toast of "The Corporation of Manchester," said he was pleased to be able to congratulate Councillor R. G. Edwards on his success in the November elections. It was a great honour to the chemists of Manchester to have two such able councillors as Councillor Edwards and Councillor Kidd. The Lord Mayor, in reply, expressed his warm appreciation for the welcome and for the kind words of the proposer of the toast. He paid tribute to the two pharmacist members of the City Council for the good work they were doing. Councillor R. G. Edwards, in proposing the toast of "The Pharmaceutical Society of Great Britain," prefaced his remarks with hearty congratulations to the Lord Mayor and Lady Mayoress on their election. He considered that the Council, as it would be when constituted with the three new members appointed by the Privy Council, was a step in the right direction. He congratulated Mr. J. H. Franklin (who was unable to be present on account of illness) on his appointment on the first Poisons Board. In Manchester they were proud to know that one of their colleagues had received such a well-merited distinction. Mr. Keall, who replied to the toast, expressed his appreciation for the warm welcome which had been given him. It had been a great pleasure to come to Manchester. The Society, he said, was endeavouring to place the profession of pharmacist on a much higher plane. Mr. Keall paid a tribute to the members appointed by the Society on the first Poisons Board. He was sure those pharmacists who had been appointed would give of their best. Honour and credit was due to them for accepting such a responsible position. Dancing continued until midnight, under the guidance of Messrs. Aves and Phillipson.

Western Pharmacists' Dinner

THE forty-third annual dinner and dance of the Western (London) Pharmacists' Association was held at the Trocadero Restaurant, W.I., on November 16, the president (Mr. Gwilym Thomas) in the chair. The number of visitors to this popular function seems to get larger year by year, and on this occasion it was announced as a record. With the president at the chief table were Mrs. Thomas, the president of the Pharmaceutical Society (Mr. John Keall), the chairman of the British Pharmaceutical Conference (Dr. C. H. Hampshire), three members of the Society's Council, Messrs. W. J. Beardley, A. R. Melhuish and Herbert Skinner (two of whom are past-presidents), Professor J. H. Burn (Dean of the Society's College), Mr. H. N. Linstead (secretary of the Society), Mr. G. A. Mallinson (secretary of the National Pharmaceutical Union), the Rev. Llewellyn Williams, Messrs. R. R. Bennett, N. Dewey, J. J. G. Hay, J. Manning, W. A. Shakerley, and G. A. Tocher, with the addition "and Mrs." in most cases. Among others present in a gathering fully representative of Metropolitan pharmacy (with incidental references to medicine and dentistry) were Mr. R. E. Baldry, Mr. William Chalmers, Mr. G. W. Evans, Mr. W. B. Falding, Mr. W. Fletcher (The Butywave Co.), Mr. P. D. Goodwin, Mr. L. N. Hensman (John Bell, Hills & Lucas, Ltd.), Mr. Peter Irvine, Mr. D. T. Jones, Mr. W. Knott (Parke, Davis & Co.), Mr. Harry Martin, Mr. C. A. Noble, Mr. J. W. Roberts, Mr. Philip Royle (Ingram & Royle, Ltd.), Mr. T. Morley Taylor, Mr. B. R. Wilkinson, Mr. P. S. Windwood (ex-president) and Mr. J. C. Young. The after-dinner speeches were brief and appropriate, raising no problems and not attempting to settle any. The first of the two toasts,

"The Pharmaceutical Society," was submitted by Mr. C. A. Noble, who pointed out that its work would probably become greater. Members appreciated, he said, the fact that a comparatively acceptable Pharmacy Act had been secured. The Western Association were glad that the president of the Society was one of themselves; and Mr. Noble added a graceful tribute to the work of Mrs. Keall in presiding over the ladies' committee of the recent Conference. Mr. Keall, responding, remarked that the Council could rely on the firm backing of the Western Association. He complimented Mr. Noble on the excellent staff work at the Conference, and Mr. Melhuish on his work as chairman of the Local Executive and also on his preliminary efforts in connection with the Pharmacy and Poisons Act. In the Act they had a foundation of a consolidation for the future of pharmacy. Conditions would be very seriously changed in 1934, and the help of the branches would be required. The Council had done the best they could. The second toast, "The Western Pharmacists' Association," was proposed by Mr. H. N. Linstead in humorous vein. He liked to think of the Association, he said, as the House of Lords of Metropolitan pharmacy. Whenever there were wild men trying to start some stampede, the West Association would sit back and say, "We are not amused." And if help was wanted in any pharmaceutical work in London, it could be got from this Association. In the Conference, for example, it supplied the chairman and a large number of the stewards. He hoped the Association would continue its tradition of service on the Council of the Society. Mr. Gwilym Thomas, in reply, indicated that he had been a prime mover in securing fewer and shorter speeches at these annual dinners: for this reason he was obliged to exemplify brevity. In place of the deleted toast to the visitors he extended a welcome to them, and especially to Dr. Hampshire, Professor Burn and others whom he mentioned. The idea of the Association was to fortify feeling of friendship between its members, and in this connection he thanked the secretaries and committee for their work. Vocal music divided the speeches, and dancing completed the programme.

Association Meetings

Elgin.—A meeting of Moray and Nairn chemists was held at Elgin on November 15, Mr. Alexander Joiner (Nairn) in the chair. It was unanimously resolved to resuscitate the Moray and Nairn Pharmaceutical Association, and the following office-bearers were elected:—*President*, Mr. D. G. Hughes (Elgin); *Committee*, Mr. R. S. Graham (Elgin), Mr. J. C. Michie (Nairn), Mr. W. Anderson (Forres), Mr. J. Donaldson (Hopeman), Mr. T. Manson (Lossiemouth); *Secretary and Treasurer*, Miss Allan, 176 High Street, Elgin. Vacancies in the Pharmaceutical Committee were filled, and the Committee now stands as follows:—*Chairman*, Mr. H. W. F. Allan (Elgin), Messrs. J. C. Michie (Nairn), W. Anderson (Forres), T. Manson (Lossiemouth), and R. S. Graham, 118 High Street, Elgin (*Secretary*).

Public Pharmacists.—A meeting of the Guild of Public Pharmacists was held on November 15, the president (Mr. H. Davis) in the chair. There was a large audience present to hear Mr. A. Clifford Morson, O.B.E., F.R.C.S., read a paper entitled *Homo Sapiens*. The chairman, in introducing the lecturer, referred to the prominent part taken by Mr. Morson's great-grandfather in the founding of the Pharmaceutical Society and as one of the early presidents of the Society. He went on to say that whilst the pharmaceutical traditions were carried on by members of the family, the lecturer had so distinguished himself in his profession as to become president of the Urological Section of the Royal Society of Medicine. Mr. Morson, in the course of his address, said that in the process of civilisation "*Homo Sapiens*" had lost some of the wisdom of his arboreal ancestors in the choice of foods containing vitamins, which had given way to tinned foods and white bread. A vote of thanks to Mr. Morson was proposed by Mr. J. Wicliffe Peck.

Fluorescence Analysis of Pharmaceutical Products

By J. A. Radley, M.Sc., A.I.C.

(Continued from the C. & D., September 9, p. 340)

IN the case of seeds there are several methods of attack. The seed may be examined direct, then cut into sections and the freshly cut surfaces re-examined under the lamp, or the seed may be allowed to germinate on a damp filter-paper and the filter disc and the seeds examined at intervals during the period of germination. The latter method has proved of great value in the hands of Lineham and Mercer, who introduced and used it for various agricultural seeds. Still another method is due to P. Metzner, who places about one gram of the seeds in 25 c.c. of distilled water for thirty minutes and then examines the water and the seeds, under the lamp. Another valuable service which the lamp renders is the differentiation between old and damaged seeds and fresh undamaged ones, the fluorescence colours of the fresh seeds often disappearing in the old samples. Pea, hemp, beans, linseed, almond and hazels give particularly characteristic fluorescence colours which fade on ageing. R. Wasiky has investigated a large number of substances used in pharmacognosy, using the microscope in conjunction with the lamp and has obtained some useful results. Gentian powder gives a white or a pale bluish colour under the lamp whereas rumex powder appears golden yellow or dark green and is thus detectable in admixture with gentian. Rhubarbs give interesting results. The unofficial rhubarbs such as *Rheum compactum*, and *Rhaponticum*, show a strong violet fluorescence under the lamp and are readily and certainly differentiated from those varieties which are official, and which give a distinct brownish red fluorescence. *Rheum emodi* has also a brownish-red fluorescence identical with that given by the official rhubarb. With mixtures of rhubarb and rhaponticum the violet fluorescence of the rhaponticum gradually gets deeper as the rhaponticum content is decreased and comparisons may be made with a standard sample of rhubarb. The surface of the powders should be quite level, pressing with a microscope slide being very effective; in this way the colour comparisons are much easier to make.

Tests on Tinctures

With tinctures of the above similar colours are observed, alcoholic solutions of rhubarb and rhaponticum giving an orange brown and a milky white fluorescence respectively. The examination of tinctures can be carried out fairly quickly, sometimes the results of direct examination giving the required information at once, but if there is any doubt the technique of capillary analysis should be employed. The acid and alkaline treatment may be omitted when tinctures are used, the strips of filter paper being immersed directly into the extract, and then the usual procedure followed. It will be found that the strips obtained fall broadly into three classes which may be termed 1, 2 and 3. Into class 1 come those tinctures which give strips showing only one colour throughout; class 2 embraces those which give strips having two colours; while class 3 contains those which give strips showing one or two colours and several zones of characteristic fluorescence colours. Should still further precise information be required the alcohol can be evaporated from the tincture and the residue treated with water, the usual examination in acid, neutral and alkaline solution then being carried out. As previously mentioned, the presence of a drug derived from leaf tissue is readily detected but, as G. Zickgraf points out, care must be exercised as preparations containing chlorophyllin do not always give the characteristic fluorescence test for chlorophyll. Danckwortt and Pfau shake the alcoholic tincture with wet ether, when the chlorophyll passes into the ether. M. J. Deininger has examined a number of

tinctures and classifies the results as mentioned; below are some of his results:—

CLASS 1 (ONE COLOUR ONLY)

Tr. veratri	...	Violet
Ext. chinae fl.	...	Brilliant violet
Tr. strychni	...	Blue
Tr. strophanthi	...	Bluish
Tr. scillae	...	Very dark bluish colour
Tr. capsici	...	Very dark bluish colour
Tr. rhiz. grami.	...	Dark blue
Tr. calami	...	Reddish violet
Tr. aconiti	...	Dark blue
Tr. benz.	...	Greyish-green
Tr. catechu	...	Dark brown
Tr. myrrhae	...	Yellow
Tr. gentianae	...	Yellowish
Tr. zingib.	...	Yellowish
Tr. ratan.	...	Red-brown
Tr. aloes	...	Brown
Tr. aloes co.	...	Brown
Ext. aurantii fl.	...	Bright brown
Ext. frangulae fl.	...	Red-brown
Ext. hydrastis fl.	...	Clear yellow

The next class of strips obtained with tinctures is that in which two coloured zones appear, and the following are the tinctures giving such strips together with the colours shown:—

CLASS 2 (TWO COLOURED ZONES)

Tr. arnicae	...	Blue and pale blue
Tr. absinth.	...	Greenish grey and a bluish zone
Tr. chinae spl.	...	Dark bluish and red-brown zones
Tr. chinae co.	...	Bluish and dark red-brown
Tr. colchici	...	Greenish blue and brilliant blue zones
Tr. colocy.	...	Bluish and a yellowish zone
Tr. ipecac.	...	Blue and brilliant blue
Tr. rhei vin.	...	Violet and brown
Tr. tormentil.	...	Reddish and red-brown
Tr. lobeliae	...	Bluish and dark reddish brown
Tr. valerianae	...	Blue and reddish brown
Ext. thymi fl.	...	Yellow and brown

CLASS 3

It will be remembered that this class gives several colours and often has a characteristic coloured zone.

Tr. aurantii	...	Reddish yellow with a blue zone
Tr. aromat.	...	Greyish green with a blue zone
Tr. canthar.	...	Bright blue with a yellow zone
Tr. digit.	...	Brownish, violet, with a reddish brown zone
Tr. gall.	...	Greyish green with a blue zone
Tr. opii benz.	...	Dark bluish, then light blue, yellow zone
Tr. opii croc.	...	Brilliant brown with a green zone
Tr. opii spl.	...	Greenish yellow with a bluish zone
Tr. pimpinellae	...	White with a yellow zone

Essential Oils

Another group of substances of interest to the pharmacist is the essential oils, and here the lamp can often render valuable service. The following technique serves as a basis for the examination of this group of compounds and also for the examination of liquids in general. The liquid in a test tube is placed under a lamp, some 10 c.c. being used, and the fluorescence at the meniscus and in the body of the liquid being observed. The liquid is then poured out until only about 2 to 3 c.c. remain and this is again examined. The rays should fall perpendicularly upon the surface of the liquid in these cases. From the above experiments information as to the penetrability of the liquid is obtained, and, if a solution, as to the concentration of the dissolved substance; generally the smaller the ring at the surface the more concentrated the solution and the less the rays penetrate before being converted into visible light. The liquid in the tube is next shaken and the fluorescence colour of the drops or film of liquid on the sides of the tube noted. It may also be gently heated and the fluorescence of the condensing drops noted; any difference in colour or intensity serves as a rough guide as to whether there is one or more fluorescing compounds present, or if the main liquid is in a state of purity. Care must be exercised, however, as temperature sometimes causes a change in the fluorescence colour. A few drops of the liquid may then be enclosed between two microscope slides and the reflected and transmitted light observed under the lamp. As a number of substances show a maximum intensity

at a certain concentration the dilution of liquids with optically inert solvents often enhances the fluorescence effects and gives other useful information. The containers used in the above work need not be of quartz, but should certainly be of non-fluorescent glass, Kavalier glass being very good in this respect, and also it has good transmission characteristics for the spectral region which is used in fluorescence analysis. Valuable information is often obtained by carrying out under the lamp ordinary routine colour tests as given in the text and hand books, the colours obtained sometimes appearing different and often showing more intense effects than in daylight. For example, the B.P. test for the differentiation between Japanese and English peppermint oils when carried out under the lamp gives much more distinct fluorescence effects than when done in daylight. There are also small but fairly distinct differences between the fluorescences shown by the Japanese, American and the English oils, but the detection of admixtures is somewhat uncertain. Citrus oils are practically non-fluorescent in the pure state, but when dissolved in any of the alcohols, or in a solvent containing the alcoholic hydroxyl group a beautiful violet fluorescence is obtained. This colour is not shown when the oil is dissolved in a solvent having a phenolic hydroxyl group, nor in solvents such as esters or ketones. Wimmer and Kennedy have classified the essential oils according to their chief components and the fluorescent colours which they show. Although the differences in fluorescence between artificial and natural essential oils are not sufficient to differentiate them, the lamp allows the detection of adulteration in a number of cases.

Fixed Oils

The vexed question of the differentiation between refined and virgin olive oils receives some assistance from the lamp. Virgin olive oil shows a yellow fluorescence and the refined oil exhibits a bluish, violet or bluish green colour under the lamp. It is now generally recognised that this test is fairly specific, but a number of disturbing factors enter into the question from this point. If virgin olive oil is exposed to sunlight or to the

rays of the lamp for some time this yellow fluorescence gradually fades. Should the sample be exposed to the air for a considerable period, or heated fairly strongly the colour of the fluorescence changes to a bluish green or violet tone, this result being due, in all probability, to oxidation taking place. The violet fluorescence is nearly always observed in oils which have been solvent extracted, such as almond oil, walnut oil, and olive oil, all of which appear in shades of yellow when the oil is extracted by pressure alone. It thus appears that the difference in fluorescence between virgin and refined oil is due to the change, possibly through oxidation, which has taken place on heating the oil, and also there is a possibility that the solvent causes a change in some minor constituent responsible for the fluorescence, or inhibits the fluorescence of one compound while increasing the strength of another. That the phenomenon is not fully explained by assuming mere oxidation is shown by the fact that certain oxidising agents such as hydrogen peroxide, ozone and bromine produce no effect. Again, certain virgin olive oils give a pale blue colour, but this is usually masked by the natural colour of the oil unless this happens to be a very pale one. The blue colour imparted by addition of refined oil may be masked by the addition of colouring matters, but in this case such oils are generally deeper in colour than usual. Extracted oils have a strongly marked zonal effect just below the meniscus, and particular attention must be paid to fluorescence as distinct from colour.

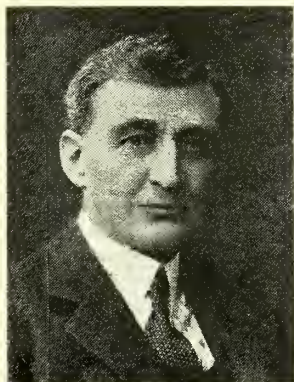
From the work of others (Musher and Willoughby, A. le Glanz, van Raalte, Loew, and Pierce) it would appear that the fluorescence phenomena has its seat in the presence of carotene and vitamins, or of chlorophyll. The evidence produced in support of either of these theories is fairly bulky, and it appears that still further work will have to be done before the various threads are drawn together and a satisfactory theory obtained. A great deal of valuable work has been done and it is possible that the difference in the two theories will be found to rest more on the technique employed than on the interpretation of the results.

(To be continued)

Personalities

MR. P. MATKIN, chemist and druggist, Oakham, has been presented with an inscribed silver cigarette-case by the Oakham "Rags."

MR. JOHN WARDLE BONE, M.B., C.M. (Honours) Edin., B.Sc., whose appointment to the Poisons Board was recorded in our issue of November 18 (p. 604), graduated in medicine in the University of Edinburgh in 1891, and in science two years later. He was a general practitioner in Luton from 1896 to 1932. Dr. Bone has been a member of the Council of the British Medical Association since 1921, and chairman of its Medico-Political Committee for nine years. He has also been a member of the General Medical Council since 1928; a month ago he was re-elected to the Council for a further term of five years as a direct representative for England. Dr. Bone



[Photo]

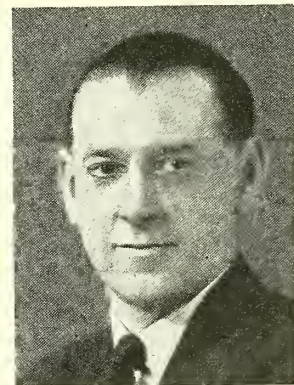
[Thurston & Son

DR. J. W. BONE

serves on the Pharmacopœia Committee of the Council. In 1924 he was appointed to the Departmental Committee on Morphine and Heroin Addiction; and on many occasions he has represented the British Medical Association on committees and at conferences where the interests of doctors and chemists have been concerned.

At the first meeting of the new borough council of Stretford, Councillor F. W. Bates, M.A., J.P., chemist and druggist, was elected an alderman and deputy mayor. Alderman Bates, who is so well known in Manchester and district, was for many years in business in Brooks's Bar.

MR. GWILYM THOMAS, the newly-elected president of the Western (London) Pharmacists' Association, the annual dinner of which is reported on p. 641 of this issue, was born at Llangaffo, Anglesey, and was educated at the County School, Llangefni, and the Grammar School, Menai Bridge. He served his apprenticeship with Mr. Rees Roberts, Menai Bridge, and then gained further experience at Conway, Worcester, Crawford Street, London, W.1 (his present business), Willesden, N.W., Sea View, Isle of Wight, and Upper Baker Street, N.W.1. After studying at Bloomsbury Square, he qualified in 1912, and acquired the old-established business of Meacher & Higgins in the same year. Mr. Thomas is a churchwarden of St. David's Welsh Church, Paddington, a Past Master of the Grosvenor Lodge, No. 1257, a Preceptor of the Grosvenor Lodge of Instruction, No. 1257, Founder and past chairman of the Young Wales Association (London), Ltd.



MR. GWILYM THOMAS

Trade Notes

MORNY VELVASIFT.—Morny, Ltd., 6 New Burlington Street, London, W.1, recently introduced under the name of Velvasift an ingenious toilet accessory in the form of a combined puff and loose complexion powder (C. & D.,

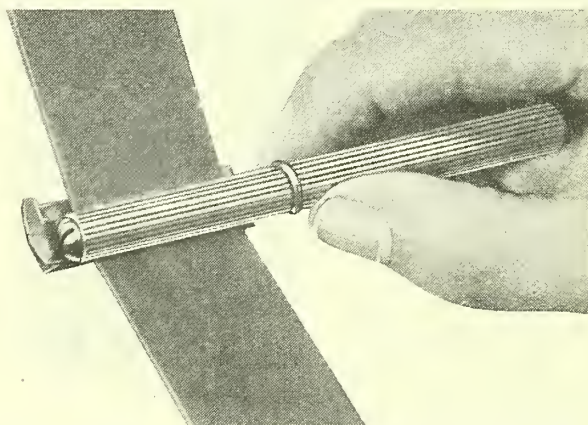


September 2, p. 320). Five Velvasifts and a pochette enclosed in a neat box have now been introduced, and this forms a charming gift line.

THE MARMITE FOOD EXTRACT CO., LTD., Walsingham House, Seething Lane, London, E.C.3, have sent us a copy of their new medical booklet entitled "The Applications of Marmite (Yeast Extract) in Medicine and Dietetics." This publication refers especially to the high vitamin-B content of Marmite and to its anti-anæmic potency.

ROBERTS & Co., chemists, 76 New Bond Street, London, W.1, have issued a fourth edition of their "Prescriber's List" (pp. 145 + xv, 2s. 3d. post free). The volume contains an alphabetical list of the firm's chief preparations and those of foreign manufacture which are in frequent demand. The information given includes the name of the maker, composition of the product, approximate size and price.

BARRY BLADE STROPPER.—The illustration below shows the Barry blade stropper, a new device for stropping the three-hole type of safety razor blade. The stropper, the makers claim, presents the blade to the strop at exactly the correct angle to ensure a perfect cutting edge, while the bevelling on the reverse side of



the blade carrier makes it impossible to cut the strop. Each stropper is neatly packed for sale in a case together with a high-quality dressed horsehide strop.

PRICE REDUCTION.—Kotex, Ltd., 317 High Holborn, London, W.C.1, announce a reduction in the price of their sanitary towels.

GLAXO LABORATORIES, 56 Osnaburgh Street, London, N.W.1, have issued a revised trade price list of their pharmaceutical and food preparations.

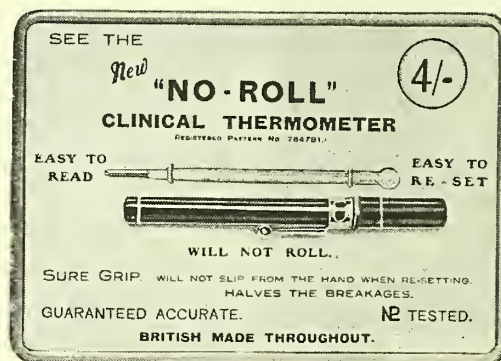
ANDREWS LIVER SALT.—Scott & Turner, Ltd., Gallowgate, Newcastle-upon-Tyne, have now commenced their winter advertising campaign in regard to Andrews liver salt, and for chemists who wish to link up with the publicity the company has prepared the highly attractive counter showcard of which a photograph is reproduced. Messrs. Scott & Turner inform us that the sales of Andrews have gone ahead rapidly in the winter months of previous years.



T. J. SMITH & NEPHEW, LTD., ask us to draw the attention of our subscribers to a misprint in their advertisement in this issue relating to the Elastocrêpe wrist strap. The trade price should read 6s. per dozen, and not as printed.

POPULAR WINTER REMEDIES.—Glycerin, honey and lemon rank among the best-known remedies for coughs and similar ailments. These ingredients have been combined in various forms by National Drug Industries, Ltd., Emmott Street, Mile End, London, E.1, among others, as balsam, jelly and candy, and the manner in which the products are packed is illustrated in the company's advertisement in this issue. The efficacy and palatability of preparations containing glycerin, honey and lemon is fully appreciated by the public so that this range should be among the best sellers of the winter season.

A NEW CLINICAL THERMOMETER.—A. C. Cossor & Son (Thermometers), Ltd., Accoson Works, Vale Road, London, N.4, have shown us their new No-Roll clinical thermometers, one of which (with the case), fixed on the showcard supplied on certain orders, is depicted in the accompanying illustration. This thermometer has some interesting points in design. At the opposite end to the bulb is a flattened glass disc, which not only prevents the thermometer from rolling off a table, but it is flattened



parallel with two lines placed just above the bulb to act as a lens guide. To find the position of the mercury with these aids is perfectly easy, while the manner of marking renders the reading of the temperature a simple matter. Each degree line is drawn out and alternate ones are marked with small figures. The vulcanite case has a square flange, also to prevent rolling, and a pocket clip. Each thermometer is enclosed in a cardboard box.

AMONG the exhibits at the Bicycle and Motor Cycle Show which opens at Olympia, London, W., on November 25 will be a number of carrier bicycles and tricycles. The ingenuity shown in adapting carrier cycles to meet the needs of various businesses indicates that the big cycle manufacturing concerns are fully alive to the importance of these vehicles to industry and business. The closing date of the Show is December 2.

TREATMENT OF OBESITY.—Remogland Chemical Co., 25 West Broadway, New York City, writing to us

regarding Remolysin, state that this modern exponent of pluriglandular treatment for bringing about the reduction of fat in women may be taken over a considerable period without untoward effects. It is well to order small doses at the start, regulating the increase according to the tolerance of the patient and the amount of weight lost. The decrease should be gradual and not exceed fifty pounds from a person of two hundred pounds. The distributors in this country are Lyndwood & Co., 37 Red Lion Street, London, W.C.1. Chemists may obtain supplies through the usual wholesale houses.

Births

Notices for insertion in this column must be properly authenticated.

ARKELL.—At Southsea, on November 16, the wife of John Arkell, Ph.C., 87 Festing Grove, of a son.

WILLIAMS.—At Glynwood Nursing Home, Harrow, on November 18, Phyllis, wife of W. Lloyd Williams, M.P.S., 15 Rayners Lane, Pinner, of a son.

Marriages

BEATON—STEWART.—At Paisley, on November 14, William C. Beaton, chemist and druggist, to Agnes Stewart, chemist and druggist.

EVANS—MILLS.—At St. John's Church, Lewes, on November 15, John Gruffydd Evans, chemist and druggist, Aldershot, to Ivy Mills.

KIDGER—TETT.—At the Parish Church, Ringmer, Sussex, on November 15, Donald Kidger, chemist and druggist, Brighton, to Kate Elizabeth Tett.

MOIR—MCCHAYNE.—At St. Andrew's Church, Bombay, on November 16, James Moir to Mary (Mollie) McCheyne, chemist and druggist, daughter of Mr. R. K. McCheyne, Leslie, Fife.

Deaths

BROWN.—At Grimsby, on November 20, Mr. Thomas Brown, chemist and druggist, 384 Victoria Street, aged a hundred. Mr. Brown, who celebrated his hundredth birthday on May 8, passed away in his sleep. Till quite recently he personally conducted the business opened by him in 1858. Mr. Brown was a member of the Grimsby Town Council for twenty years, and on more than one occasion declined nomination for the mayoralty. He is survived by a son and four daughters.

BURROWS.—At Guy's Hospital, London, S.E.1, on November 1, Nancy Evelyn Burrows, chemist and druggist, aged thirty-three.

DOLBEAR.—At Oxford, on November 14, Mr. John Dolbear, J.P., Ph.C., for many years senior partner in the firm of Dolbear & Goodall, chemists, 108 High Street, Oxford, aged seventy-five. Mr. Dolbear was born and apprenticed at Torquay. He passed the Major examination in 1883, and was subsequently for seven or eight years with J. & H. Mathews, Queen's Gardens, London, W.2. In 1893 he went to Oxford in partnership with Messrs. Mathews, acquiring the business carried on by Hitchcock & Sons. On the retirement of his partners in 1902, Mr. Horatio C. Goodall, chemist and druggist, became a partner in the business; the partnership existed with outstanding success and cordiality for thirty years. Mr. Dolbear retired last year. For eleven years he was secretary of the Oxford and District Chemists' Association. He then became its president, the secretaryship passing to Mr. Goodall, who has continued in the duties since 1909. For twenty-five years Mr. Dolbear was a member of the Oxford Board of Guardians, serving

in 1923 as vice-chairman. He was one of the Charity Trustees for Oxford, a commissioner for income tax, and had other local interests. He was a member of the Alfred Lodge of Freemasons, a founder member of the Annesley Lodge and a member of the Alfred Chapter. Mr. Dolbear, who had been a widower for thirty years, leaves a son. The funeral took place at St. Mary-the-Virgin Church on November 16, and the interment at Holywell Cemetery. Among those present in the large congregation, in addition to family inourners, were the Mayor, deputy Mayor and Sheriff of Oxford; the Principal of Brasenose; the Chief Constable of Oxford; and numerous representatives of masonic lodges. The floral tributes included a wreath from the Oxford and District Branch of the Pharmaceutical Society.

MARSHALL.—At Paignton, on November 15, Mr. Rupert Henry Marshall, M.P.S., retired chemist and druggist, formerly of Leicester. Mr. Marshall qualified in 1890.

WARD.—On November 21, Mr. Archibald Ward, advertising manager to Sangers, Ltd., 258 Euston Road, London, N.W.1, since June 1915.

Business Changes

TAYLORS (CASH CHEMISTS) MIDLAND, LTD., have opened a branch at 61 Carlton Street, Castleford. [Corrected note.]

MR. W. OWEN, chemist and druggist, has disposed of The Queen's Park Pharmacy, Bourne-mouth, and has opened another business at 6 Grand Parade, Boscombe East.

MR. J. P. GRAY, chemist and druggist, is closing down his business at 64 High Street, Acton, London, W.3, on November 25, and is removing to new premises at 7 Forest Drive, Theydon Bois, Essex.

MR. K. J. PADWICK, chemist and druggist, has purchased the business of Mr. Spencer Whitby, chemist and druggist, The Adur Pharmacy, Kingsway, Hove, and will conduct it as a branch of his business at 5 Preston Street, under the management of his son, Mr. G. B. Padwick, chemist and druggist.

MR. F. G. WELLS, chemist and druggist, has disposed of the business of Rayner & Son, chemists, 39 High Street, Uxbridge, to Miss W. M. FLOWERDEW, Ph.C., as from November 21. Mr. Wells has taken over the two businesses, Barnetson (Chemists), Ltd., 98 High Road, Streatham, and H. Cooper, 22 High Road, Streatham, London, S.W.16. Communications should in future be sent to Mr. Wells at the latter address.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

S/17. Antizyme	H/21. Lang's Specific tobacco juice
M/11. Blistertine (for horses)	B/17. Panmellitin tablets
S/18. H.A.S. Agar (Health Institute)	B/21. Parnside
P/20. Johnson's Glucoate	D/15. Snug-fit eyeshades
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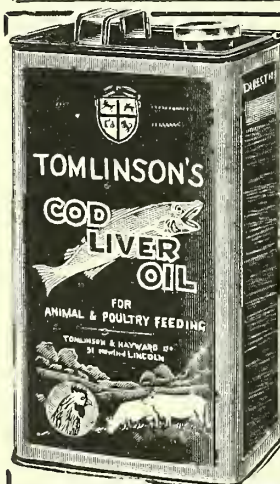
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THE CHEMIST AND DRUGGIST

VOL. CXIX. NOVEMBER 25, 1933 NO. 2807

A Registration Problem

INTERPRETATION of the provisions of the Pharmacy and Poisons Act, 1933, is becoming an occupation of special interest. The task of enlightening pharmacists in this respect, apart from official or semi-official paraphrases of the Act, seems to have begun with reflections by our contributor Xrayser (*C. & D.*, August 26, p. 287) upon the actual meaning of Section 1 (1), which, as made effective by Order in Council, provides that every registered pharmacist must become a member of the Pharmaceutical Society on December 31 of the current year. What was stated then and later (September 2, p. 315) has since been accepted at the Pharmaceutical Society's headquarters as representing the actual position, as indicated by the wording of a circular letter which has recently been sent to all secretaries of the Society's branches. The next problem to which our attention has been directed is furnished by Section 1 (2) of the Act, according to which every member of the Pharmaceutical Society shall, in addition to the fees payable on registration as a pharmacist, pay a yearly retention fee. But what are "the fees payable on registration as a pharmacist?" This is a question not easy to answer, and we are disposed to think that, as matters stand, there are no such fees.

Statements in the 1852 and 1868 Acts

In the Pharmacy Act, 1852, provision is made (Section 10) for the registrar of the Pharmaceutical Society to register such persons as shall have obtained a certificate of qualification from the Society's examiners "upon payment of such fee or fees as shall be fixed by the by-laws." An extension of this provision appears in the Pharmacy Act, 1868, Section 6 of which provides for the granting of certificates of qualification entitling the holders to registration, while Section 7 stipulates that upon registration "such fees shall be payable as shall from time to time be fixed and determined by any by-law" made in accordance with the Pharmacy Act of 1852 as amended by this Act. But no existing by-law contains any reference to the payment of a fee or fees on registration, except that which specifies the fee payable, on admission to the British Register, of pharmacists previously registered in any of the British Dominions or in Northern Ireland. It has up to now been understood that the examination fee in Great Britain included a perpetual registration fee, and that this was made the ground for asking the Privy Council, several years ago, to sanction a considerable increase in the amount of the Qualifying examination fee. Now we have the complication provided by the inclusion of all registered persons as members of the Pharmaceutical Society. Will those who pass one of the Qualifying examinations after the close of the present year immediately become entitled to share all the privileges

of membership of the Society without any payment until they are called upon to pay a registration retention fee? It may appear that the only way out of the quandary is for the Council of the Pharmaceutical Society to pass, and secure the sanction of the Privy Council for, a by-law authorising a separate registration fee on qualification.

Commercial Publicity

For some months past chemists in this country have been debating the prospects of publicity in connection with the scheme of the National Pharmaceutical Union; yet though many chemists, as opticians, must be interested in the propaganda of the National Council for the Preservation of Eyesight, the method under which this association is financed and functions does not appear to have attracted the attention it should have done, particularly in view of its comparatively lengthy experience. It is interesting to note that the retail photographic trade is now flirting with the idea of combined advertising by the manufacturers and dealers, and at the recent conference of branch delegates it was stated: The manufacturers cannot afford to spend more on publicity. If every dealer were called on to join the Photographic Dealers' Association and subscribe £2 per annum—10s. to go to the Association and 30s. to be spent on national advertising—no individual dealer would be much out of pocket, but there would be a tremendous amount of increased interest in photography and larger sales. Chemists form the majority of the photographic dealers, who may launch a publicity scheme shortly; quite a large number of chemists are to be found in the ranks of the opticians, whose arrangements for propaganda have been functioning some time; while in the offing are the plans of the Pharmaceutical Publicity Association, concerned simply with the drug trade. That many chemists will be directly interested in all three at the same time is inevitable, but to which one or in what proportions they will allocate their advertising appropriation remains to be seen.

Chemists' Optical Title

At a recent Council Meeting of the Institute of Ophthalmic Opticians an amendment to By-law No. 1 was discussed, and subsequently the full By-law was passed in the following terms:—

A member shall not publish any advertisement unfair to fellow-craftsmen, misleading to the public or derogatory to the Institute or to the profession of the optician. Neither shall he use the letters F.I.O. or announce his association with the Institute in any announcement, advertisement or statement which has reference to any other profession or calling without the consent of the Council.

The object of the alteration is apparently to give the Institute a stronger control over the use of the letters F.I.O. where they might be or are being used in conjunction with a business of an undesirable kind. To what extent or in what connection the Council will consent to the use of the letters is not clear; but the chairman, at the meeting referred to, expressed the opinion that "advertisement or statement" would apply to a nameplate or fascia. Unless a reasonable time is allowed to lapse before the by-law is enforced some members of the Institute may be involved in considerable expense due to alterations not only to facias but to notepaper, and the scrapping of advertising literature. Apart from initials, there is the question of dual description. It is well known that a hyphenated title, such as chemist-optician, has been anathema to the more professionally-minded of the craft for a long time, though the only way of overcoming the difficulty in the case of a man who carries on both professions would seem to be by substituting "and" for the hyphen. Differentiating the businesses in this manner, whether conducted in separate premises or not, would improve the status of each, since neither could be regarded as the side-line of the other.

Pharmaceutical Society of Great Britain

Edinburgh Evening Meeting

THE opening meeting of the winter session in Edinburgh was held at 36 York Place on November 17, Mr. David Harley (chairman of the Executive) presiding.

THE CHAIRMAN said that since the last meeting they had lost by death two well-known members, the late Mr. W. G. McNab, who had been chairman of the Executive and a contributor to their evening meetings, and Mr. John Lothian, a highly respected teacher of pharmacy and for many years a contributor to the evening meetings.

THE CHAIRMAN presented the Ph.C. diplomas to the successful candidates. On behalf of the Executive and the meeting, he congratulated them on their attainment.

THE CHAIRMAN, in introducing Professor D. Murray Lyon, M.D., D.Sc., said they had been favoured during past sessions in having a representative from the Faculty of Medicine in the University to deliver the opening address, and they had a continuation of that privilege in having with them Professor D. Murray Lyon of the Christison Chair of Therapeutics. Sir Robert Christison, it was interesting to note, delivered the inaugural sessional address of the first evening meeting of the Society in Edinburgh in 1852. He had pleasure in calling upon Professor Murray Lyon to deliver an address on

The Healing Art: Milestones in Medical Progress

[ABSTRACT]

MODERN medicine, like the civilisation of which it is a part, can be traced back to ancient Greece and to the prehistoric mists of the East. A vast amount of information has been culled from the early records, but even in the earliest considerable progress had already been made. Happily, all primitive communities go through similar phases and react in much the same fashion, and much may be learnt by a study of contemporary backward peoples. The relation of primitive medicine and religion is very close; harmful spirits have to be appeased and magic must be countered by magic. But even in this stage of development all illnesses are not referred to magic. Minor ailments do not require the attention of special practitioners, and most primitive peoples have some knowledge of simple domestic medicine. Crude surgery and bonesetting, the use of herbs, massage and similar measures are widespread.

One of the earliest medical documents, Ebers papyrus, drawn up in Egypt about 1500 B.C., records more than 700 drugs. The very name chemistry comes from an old name for Egypt—*chemi*, the black land. We owe much to ancient Greece. At one stage ill people were carried by their friends to the market place, where they were left to discuss their ailments with the passers-by in the hope that they might receive some helpful suggestions for cure. Later, pilgrimages were made to the shrines and temples of Æsculapius, the god of healing, where professional healers were congregated. At such a centre there flourished in the fifth century B.C. Hippocrates, who made so profound an impression that he remained the highest authority in medicine for 1800 years! His writings mention only some 265 drugs, but he understood and employed dieting, massage, hydrotherapy and many other rational procedures devised to assist cure by Nature. Though the Romans became masters of the world they contributed little to medicine. Dioscorides, a surgeon in the army of Nero (A.D. 54-68) carefully described some 600 plants and their medicinal properties, his work remaining an authority for sixteen centuries. Another outstanding figure in Roman medicine is that of Galen (A.D. 131-201), whose name comes to us in the term of galenicals for vegetable simples. In drugging he inclined to polypharmacy and the use of shotgun prescriptions to re-establish the proper balance of qualities in the body. Pharmacy owes much to the science of poisoning. Mithridates, King of Pontus, concocted a universal antidote.

With the fall of Rome progress in the West was completely arrested throughout the whole of the Dark Ages, and Europe fell back on mysticism and folk medicine. Meantime, some advance was made in the East, where the Arabs became the heirs of the earlier learning. The drug trade subsequently passed through many hands—the people who commanded the sea for the time being having almost a monopoly. The Genoese were succeeded by the Venetians, but the death-blow was given to their trade when Vasco da Gama rounded the Cape and sailed to the source of the supplies. Later the Dutch joined in the scramble, and tried to monopolise trade with the spice islands. From the natives in various parts of America (after 1492) many other important introductions were made. Probably at first the uses of these were not fully appreciated, and they were used quite indiscriminately along with many other novelties. When first introduced the potato was not used as a food but as a medicine and an ingredient in love philtres. In spite of the constant additions to the numbers of available drugs the whole subject remained in chaos. The more expensive remedies were of course beyond the poorer people, but we find them submitting to all sorts of impositions—crushed lice, powdered toads, and the ground residue of an old shoe (given for dysentery). The successive editions of the London Pharmacopœia show many such absurdities.

THE LAST ILLNESS OF CHARLES II

A good idea of medical treatment may be got from the story of the fatal illness of King Charles II as told by Dr. Scarburgh, one of the dozen doctors who were in attendance. The king took a sudden seizure when being shaved, and died four days later (1685). First, he was bled to the extent of a pint. Next his shoulder was incised and a further 8 oz. of blood was removed by cupping. Then he was given an emetic, followed by a purgative and shortly after by a second purgative. An enema was then administered consisting of antimony, sacred bitters, rock salt, mallow leaves, violets, beetroot, chamomile flowers, fennel seed, linseed, cinnamon, cardamon, saffron, cochineal and aloes. In two hours this was repeated and a third purgative given. The head was then shaved and the scalp blistered. A sneezing powder of hellebore root was administered and a powder of cowslips "to strengthen the brain." Cathartics were repeated frequently, with many soothing drinks of barley water, licorice and sweet almond. In addition, he had white wine, absinthe and anise, extracts of thistle leaves, mint, rue and angelica; later, melon seeds, manna, slippery elm, black cherry water, lily of the valley, peony, lavender, dissolved pearls and an extract of flowers of lime. As these were unsuccessful, gentian, nutmeg, quinine, and cloves were administered. To allay convulsions 40 drops of extract of human skull were given. A rallying dose of Raleigh's antidote was forced down the King's throat—it consisted of an enormous list of herbs and animal extracts. And lastly, Bezoar stone followed by a grand summary of this pharmaceutical debauch—a mixture of Raleigh's antidote, pearl, jalap and ammonia. Scarburgh says: "Alas! after an ill-fated night his serene majesty's strength seemed exhausted to such a degree that the whole assembly of physicians lost all hope and became despondent."

Alongside this hopeless quackery much mysticism continued. An interesting example is the belief in the healing efficacy of the Royal touch. James I wished to give up the superstition. Charles II was probably the most popular healer. William III, who did not believe in his powers, gave a blessing, wishing the patient good health and more sense, and when he discontinued the practice he was accused of cruelty. The superstition only died with Queen Anne. Real medical advance began with the revival of learning. Much is due to that striking

character, Paracelsus, a Swiss physician (born 1493). Appointed professor in Basle, he publicly burnt the books of Galen and so showed his contempt for ancient authority. He ridiculed polypharmacy and substituted simple drugs, including new chemicals such as mercury. He believed that there was a specific remedy for every ailment, if only it could be found. And following up this theory he announced the Doctrine of Signatures.

Antimony was popularised by a book called the "Triumphant Chariot of Antimony," published in 1604. It was widely used before it was realised to be a virulent poison. A curious story is told of the introduction of iodine into medicine. This element is said to have been discovered as the result of chemically analysing the residuum of a soap ley which corroded the copper boilers. It was traced to seaweed used in the manufacture of the soap and so to the sea and everything connected with it. Later, excessive use caused harmful results and the drug fell into disfavour. Only recently has this remedy regained its rightful place in medicine. In 1776 Withering, a practitioner in Shropshire, learnt from an old woman that foxglove was good for dropsy. He studied its actions for several years before publishing his book in 1785. Curiously enough, he failed to notice that it only acted in cardiac cases and had no effect in other dropsies. Not all "discoveries" have turned out to be so successful. A widow, Mrs. Stevens, possessed a remedy for the stone which was vouched for by many of the leading men of the day. She very generously agreed to make the recipe public for the sum of £5,000. As a subscription list failed to produce this sum, Parliament was finally induced to make up the deficit, and when published in "The London Gazette" (1739) the cure was found to consist of egg shells, garden snails, swine's cresses, soap, burdock, hips and haws.

MODERN RESEARCH

Drugs find their way into the pharmacopœias and many drop out again—found to be inactive or replaced by more efficient remedies. New vegetable products still occasionally appear—a recent example being ephedrine, which has probably been used in China for 2,000 years. Advances in other branches of medical knowledge have had an important influence on treatment. Physiological studies have taught us much concerning how the body works, and this allows of much more accuracy in remedial measures. Pathology has elucidated many diseased processes, and the development of bacteriology has revolutionised our views. Pasteur's researches paved the way for Lister's work, which in turn made possible the surgical miracles of to-day. The causal organisms of one disease after another have come out into the open. Their habits have been studied and measures to deal with them have been sought, and often so successfully that one-time scourges now hardly exist. The use of vaccines against typhoid has altered the health of armies in the field. Protective serums can be produced to modify or neutralise the effects of other germs; and the end is not yet. Anæsthetics, introduced a hundred years ago, have allayed an untold volume of suffering, and advances are still being made in their use. The chemist has made enormous contributions, especially since the discovery of aniline in 1856. The practising physician is inundated with puffs of new compounds recommended as "the" remedy for all sorts of diseases. Some of these prove to be genuine advances. One of the most remarkable pieces of work was Ehrlich's discovery of salvarsan.

In the body there are a number of little glands of the greatest importance to health and the maintenance of life. The active principles of many of these endocrines have now been isolated, and some have been added to our armamentarium. The influence of dietary regimens on the body in health and in disease has been recognised since the writings of Hippocrates, but biochemical research is only now showing us the way clearly, and already great improvements have been made. Many diabetics can be controlled by dieting alone. The secrets of nephritis and of acidosis are being uncovered. Some twenty years ago essential accessory food substances—the vitamins—were discovered, and already several of these are obtainable in pure or concentrated form. Physical agents such as heat, light and radiations have all been

utilised. Massage and manipulative measures are not neglected. Radium and x-rays are employed with some success in cancers, and many other electrical procedures have their uses. Lastly, the influence of the mind in relation to disease and recovery has now received due recognition. But with all these advances traces of the primitive remain. The hardworking family doctor is unduly impressed by the manufacturer's advertisement and writes testimonials on inert preparations, or blindly follows in the wake of apparent authority. But each decade sees further conquests, and for the future the outlook is bright.

Vote of Thanks

DR. J. J. MILNE, in moving a vote of thanks to Professor Murray Lyon, said they had been delighted in hearing this wonderful recital of the history of medicine and the healing art. They had learned the reasons for various curious superstitions with which they were familiar, some of which, indeed, were still practised. In the advances which were being made Professor Murray Lyon himself had taken a very important share.

MR. THOMAS GUTHRIE, in seconding, said that those who had read the works of Sir James Frazer, the son of a distinguished pharmacist, would know something of the interesting historic facts touched upon by Professor Murray Lyon. There was a tendency to think that we had got away from all the fanciful notions of our predecessors and knew everything that was to be known. Professor Murray Lyon had indicated that there was no finality and the future would bring great new discoveries.

PROFESSOR MURRAY LYON, in reply, said he desired to thank them for their very cordial welcome and the close attention and kindly reception accorded to him.

On the motion of Mr. THOMAS WILSON a cordial vote of thanks was awarded to the chairman.

Branch Meetings

Exeter.—The annual meeting of the Exeter and District Branch was held on November 15. After adoption of the annual report and accounts the following officers were elected:—*Chairman*, Mr. W. R. B. Arnold; *Vice-Chairman*, Mr. F. E. Battershill; *Treasurer*, Mr. W. W. Pine; *Secretary*, Mr. F. Southerden; *Social Secretary*, Mr. A. C. Milton; *Committee*, Messrs. G. A. Clarke, F. Dyson, M. T. Foster, A. T. Hayward, W. E. Hollows, J. W. Lake, I. R. Phillips, P. F. Rowsell, P. F. Trestail, and G. P. Worth. After the formal business, an address on *The Pharmacy and Poisons Act* was given by Mr. H. Wippell Gadd (see p. 650). An interesting discussion followed. A vote of thanks, proposed by the chairman, was supported by Mr. P. F. Rowsell, who congratulated Mr. Gadd on the excellent way in which the subject had been dealt with. Mr. Gadd, in reply, emphasised the grave danger to public safety which might result from too broad an interpretation of the powers to institute "listed vendors" and the importance of creating a sane public opinion on the matter.

Sheffield.—A meeting of the Sheffield and District Branch was held recently, Mr. E. Preston (president) in the chair. There was a large attendance to hear Mr. H. N. Linstead (secretary of the Society) deliver an address on *The Pharmacy and Poisons Act*. Mr. Linstead dealt with the Act in detail. He thought an injustice had been rectified by calling upon every registered pharmacist to pay an annual retention fee. He was sure the inspectors appointed under the Act would in no way harass the pharmacist who was conducting his business in a proper manner. The Council's aim was to give every help to the man in business. At the conclusion of the address the president invited questions. Mr. Norwood (Wath-upon-Deane) congratulated the Council on filling five seats on the Poisons Board. A number of members asked questions on various sections of the Act. Mr. John Austen proposed a hearty vote of thanks to Mr. Linstead. The following officers have been appointed:—*President*, Mr. E. Preston; *Vice-President*, Mr. A. H. Culverhouse; *Treasurer*, Mr. C. H. Hewitt; *Secretary*, Mr. G. F. Thompson, 551 Ecclesall Road, Sheffield.

The Pharmacy and Poisons Act

Notes of a Lecture given to the Exeter and District Branch of the Pharmaceutical Society on November 15 by Mr. H. Wippell Gadd of the Middle Temple, Barrister-at-Law

IT is very difficult to say anything useful about the new Pharmacy and Poisons Act in a short space of time, especially to those who may be expected to have at least a general acquaintance with it, for the Act is not only of considerable length and great intricacy, but, like most modern statutes, is largely an enabling Act to be extended and completed by Rules and Regulations for the making of which it gives large powers to various authorities and particularly to the Home Secretary.

The paramount aim of all such legislation and the standard by which it must be judged is its effect upon the public health and safety. Various opinions have been expressed as to the probable effect of the new Act in these respects. Some have stated that additional obstacles will be placed in the way of those who might make illegitimate use of poisons or who, because of ignorance or carelessness, cannot safely be trusted with them. To others it would seem that certain provisions of the Act will open to a dangerous extent further facilities for the freer distribution of poisons. It should be noted that the Act, as a whole, is not yet in force. It only becomes so as and when settled by Orders in Council, which fix different dates for the coming into operation of different parts of the Act.

SECTION 1.—To some of us it is a source of much regret that the retention of names on the Register should be dependent on the payment of an annual fee, and even the comparatively modest fee now proposed may be a considerable hardship to some, possibly out-of-work, pharmacists, whose livelihood may depend upon the retention of their names on the Register. There are doubtless also cases of registered pharmacists who have left the country temporarily. It is true that those whose names may be removed from the Register can have them restored to it under certain conditions and on payment of a further fee (which will probably be £1 1s.) by way of penalty, but the general procedure seems to be unfortunate and differs from that ruling in the legal and medical professions. But as it has become law it is useless to complain about it, and it only remains to emphasise the necessity of every pharmacist seeing that his name is retained on the Register by the due and punctual payment of the retaining fee.

"Reasonably Calculated to Suggest"

SECTION 3 (2).—This subsection should be useful but may raise difficult questions as to what is "reasonably calculated to suggest." For example: the question has been raised as to whether it will prevent the use of the description "drug store" in connection with a business comprising the retail sale of drugs, owned and controlled by a person who is not a registered pharmacist. On the one hand it would seem that the words "drug store," being descriptive of premises, could with difficulty be held to be reasonably calculated to suggest that the person occupying the premises or employed in a business carried on in them possesses any personal qualification. On the other hand, on the analogy of the enactment that the word "pharmacy" shall be deemed to be reasonably calculated to suggest ownership and control by a pharmacist, it might be submitted that the words "drug store" applied to premises suggest ownership or control of a business carried on in them by a "druggist." Possibly the question may at some time have to be decided by a competent court.

SECTION 7 (1).—This is a very serious provision, and it is important that the Statutory Committee, in making regulations (which they are empowered to do under the First Schedule of the Act, subject to confirmation by the Privy Council and tacit approval by Parliament), shall provide due facilities for the hearing of any charges of alleged misconduct in public and for the adequate presen-

tation, with professional assistance, of the case of any pharmacist charged with misconduct.

SECTION 8.—Not only has a pharmacist to see that his name is kept upon the Register by payment of the annual retention fee, but also he can only become an "authorised seller of poisons" if he carries on a business which comprises the retail sale of drugs; and in each set of premises where the business is carried on the business is, so far as concerns the retail sale of drugs, under the personal control of himself or of some other registered pharmacist and the name and certificate of registration of the person having the control of the premises is conspicuously exhibited in the premises. It is clear, therefore, that a registered pharmacist cannot carry on, in another set of premises to those in which his main business is carried on, a drug store under the control of an unqualified manager even if poisons are not sold thereat.

SECTION 17 provides that the Home Secretary shall cause the Poisons Board to prepare and submit to him for his approval a list of the substances which are to be treated as poisons for the purposes of the Act. The list is to be divided into two parts, and it must be emphasised at once that these do not correspond with the two parts of the present Poisons Schedule.

SECTION 18.—These provisions are very similar to those which are now in force for the sale of poisons in the present Part I of the Schedule, except that if a purchaser is not known to the seller, instead of being introduced by some person known to the seller, he is to be certified in writing by some responsible, presumably official, person.

The New Part II

The new Part II will consist of "poisons" sold by certain other traders in addition to "authorised sellers of poisons." For further details we must turn to

SECTION 21, which provides that every local authority must keep a list of persons who, not being entitled to sell poisons included in Part I are to be entitled to sell poisons in Part II. The Home Secretary is empowered to make rules for the purposes of this Section, but as it stands it would seem that any person may have his name entered upon the list unless the local authority has sufficient reason relating either to him personally or to his premises to refuse to put him on the list. This Section therefore provides a much wider concession than the old form of licensing under Section II of the Poisons and Pharmacy Act, 1908, and it is to be hoped that strict rules will be made which will prohibit, for example, a local authority from putting on its list the name of any person who keeps a food shop or is in some other way personally or by reason of the nature of his premises or the character of his business obviously unfitted to sell poisons. With regard to the substances which are likely to be made poisons in the new Part II, it is laid down that regard shall be had to the desirability of restricting the said Part II to articles which are in common use or likely to come into common use for purposes other than the treatment of human ailments and which it is reasonably necessary to include in Part II if the public are to have adequate facilities for obtaining them. In these times of commercial enterprise and easy and rapid means of communication and transport it is difficult to name any poison in common use for the obtaining of which the public have not adequate facilities in practically all parts of the country, but there are many which if sold in ordinary shops by persons with only an elementary knowledge of their properties would become a grave public menace and danger. It is imperative therefore that public opinion should be focussed on the necessity of keeping this Part as short and exclusive as possible.

Scottish Chemical Industry

THE brochure on the Chemical Industry in Scotland,* contains a complete review of the many branches of the industry. The field covered is surprisingly wide with industrial acids, fertilisers, industrial chemicals, plastics, explosives, pharmaceutical chemicals and medicinal products, iodine, food colours and flavouring materials and essences, disinfectants, soap and glycerine some of the leading groups. Brief outlines of the establishment of the industries are given, together with a general survey of their present position and the outlook for the future. In the introduction the report states:—Since motor transport developed to be a practical factor it has been extremely helpful. For example, the volume of business in pharmaceutical products, formerly purchased from the South, has substantially declined. Cheap transport to the great English consuming centres would be most encouraging. Industries, long established in other centres, have migrated to the South of England to avoid the cost of carriage. For the export markets, Scotland is as well placed geographically as England because shipment from Glasgow, etc., should be as easy as from English ports.

Pharmaceutical Products

Twelve important firms in Scotland are engaged in this industry. There are others of a minor nature, but the important concerns are all up-to-date and progressive, and compare favourably with similar works in England. Considering population, it is believed that the Scottish output is a fair proportion of the British production. Formerly English manufacturers did a very substantial business amongst Scottish retail chemists. Orders of, say, £10 minimum were free-delivered by rail or steamer, the tendency was that the cream of the retailers' business was given to England in order to make up the carriage-paid value. Scottish manufacturers had to content themselves with "accommodation" orders of less remunerative character. Scottish manufacturers are now holding their own in the home market and the present position in the industry is steady; in view of present economic conditions it may be said to be eminently satisfactory. With exception of a little extra cost in freights on raw materials, there are no special disadvantages for manufacturers in Scotland, and this is probably offset by rather lower rates and taxes in some districts as compared with London and other large English cities. There is no general over-production. Electrical power and water supply are reasonably cheap and good in all the manufacturing centres. It is questionable if further manufacture could be encouraged even if substantial reductions on the costs of these items were made. No figures are available as to the disposal of the products in Scotland, England and abroad. It may be taken that output in the aggregate is greater than consumption in Scotland alone. Certain specialised products—morphine and other opium products, strychnine, vegetable chemicals and active principles, ether, chloroform, surgical dressings and other hospital supplies—are produced in much larger quantities than Scottish needs require. A substantial surplus is sold in England and exported to the British Dominions.

Iodine

The burning of seaweed to produce kelp has been one of the minor industries on the west coast of Scotland for many years. Considerable quantities of pure iodine, annually, are made from kelp at works in Falkirk and Clydebank. The production of these Scottish works, as indeed of practically all others, is in excess of the quota allocated to them by the Iodine Convention. Heavy competition comes from Japanese manufacturers, who have sold below Convention rates. The volume of business done in Japanese products is substantial, and is, of course, assisted by the depreciation of the yen.

* Published by the Scottish National Development Council, 39, Elmbank Crescent, Glasgow. Price 6d.

Food Colours and Flavourings

The manufacture in Scotland of these articles has never, relatively, been an important industry. Twenty years ago a considerable business was done by two or three firms who specialised in flavourings for culinary use. As distinct from the domestic consumption of these articles, there is a substantial business to be done in colouring and flavouring essences for the aerated water trade; for confectionery, biscuits and cakes, jellies, custard powders, fruit wines, tobaccos, soaps and toilet preparations, etc. One firm in Glasgow has, since the war, commenced and developed to an important extent the manufacture of this type of product. Their output is substantial and they successfully compete with English manufacturers in the Scottish market and are able to make good south of the border. Their output is considerable. They have, moreover, introduced and developed certain lines which are not produced in England. They also have a good export connection. At one time many chemists were makers of aerated waters and manufactured the colours and flavours for themselves. Fewer chemists now bottle aerated waters and such as do, obtain their colours and flavours from specialists.

Disinfectants and Sheep Dips

This industry has increased since 1913, but not since 1920. Disinfectants and sheep dips are generally more extensively used; and, in this respect, the industry has expanded in Scotland as in England. The present position of the industry is fairly satisfactory, although for the preparation of disinfectants Scottish manufacturers until recently employed, in large measure, materials obtained from the by-products of Scottish blast furnaces. Suitable materials are now available from gas works tar. While there is no great over-production, there are no factories working to full capacity. It is estimated that Scotland consumes about one-tenth of her production, sells to England about one-tenth, and exports about four-fifths.

Industrial Chemicals

In reviewing the heavy chemical industry, which includes bichromates, alkalis, acids, bleaching materials, explosives, fertilisers, cyanides and plastic materials, the report provides a good deal of detailed information on production and domestic consumption and reviews the past, present and prospective positions of the many important products mentioned. Dealing with sulphuric acid, it is stated there are some seven principal factories operating. The production is mostly consumed by industries in and around the locality of the plants. In 1927 the domestic consumption of sulphuric acid was estimated to be 101,000 tons, and for the twelve months ended June 30, 1933, to be approximately 77,800 tons. Consumption of this acid for the production of sulphate of ammonia fell from 48,000 tons in 1927 to 27,520 tons for the year ended June last. On the other hand, consumption of sulphuric acid for making superphosphates increased from 21,000 to 24,700 tons. There are ten principal firms engaged in the manufacture, mixing and distribution of artificial fertilisers. Tables of estimated consumption of nitrogen-superphosphate-potash compounds, described as N.P.K. products, nitrochalk, sulphate of ammonia, basic slag, concentrated fertilisers, lime, nitrate of soda, etc., indicate that these industries, so far as production and consumption are concerned, have not progressed to any extent during the past five years. It is, however, considered that, following on the re-organisations and amalgamations that have taken place during the past few years, the fertilisers industry generally is in a satisfactory condition. The position of the rubber manufacturing industry, bleaching, dyeing and calico printing, the tanning industry and the manufacture of paints, oils and varnish are also reviewed in the report.

Official Inquiry on Imported Insulin

A COMPLAINT that insulin and its salts have been improperly excluded from the list of articles chargeable with duty under Part I of the Safeguarding of Industries Act, 1921, was the subject of a hearing at the Board of Trade Offices at Westminster on November 17, 18 and 20 by the Hon. S. O. Henn Collins, C.B.E., K.C. (the Referee), Professor F. G. Donnan, C.B.E., F.R.S. (University College, London), and Professor Samuel Smiles, O.B.E., F.R.S.

The complaint that insulin was improperly excluded from the list was made by the Association of British Chemical Manufacturers on behalf of The British Drug Houses, Ltd., Boots Pure Drug Co., Ltd., Allen & Hanburys, Ltd., and Burroughs Wellcome & Co. They were represented by Mr. Trevor Watson, K.C., and Mr. Basil Drewe. Opposition to the inclusion of insulin in the list of dutiable articles was made by C. L. Bencard & Co., the London representatives and sole agents for a Danish firm making insulin, on whose behalf it was stated that they were not really a commercial body but a philanthropic institution. They were represented by Mr. R. Moritz, K.C., and Mr. F. R. Dymond. The Board of Trade was represented by Mr. Heald.

Case for the Complainants

MR. TREVOR WATSON, opening the case for the complainants, represented that insulin should be included in the list on the ground that it was a fine chemical. The two questions before the tribunal were whether it was a chemical and whether it was a fine chemical. The purpose of the inquiry was not to consider whether it was expedient to tax insulin, but to decide whether or not it came within the definition of chargeable goods. He was instructed that the amount of insulin imported was only about 1 per cent. of the total on the market; at any rate, it was quite a small proportion, and if it were proved that insulin did come within the taxation standard under the Act there was no intention at all on the part of any of the complainants of using it to raise the price of the British article. In making the list of articles chargeable with the safeguarding duty the Board of Trade was concerned only with substances in commercial use; it would not undertake the stupendous task of trying to make a complete list of all fine chemicals. It had happened many times that a body which might have been only a chemical curiosity at the time of the passing of the Act had subsequently assumed such importance that the question of its inclusion in the list had had to be considered.

In previous cases it had been accepted as common ground that there was no rigid definition of the term "fine chemical." The scientific man did not use the term "chemical," except as an adjective, so that in considering this case one was in the region of classification rather than definition. There was, so far as he knew, only one method of approaching by a definite test the problem of placing within a definite category substances on which there had been doubt, and that was the method of analogy. Most of these inquiries came down to a classification of the properties of the subject dealt with, and a comparison of its characteristics with those of bodies which were generally accepted as falling upon one side or the other of the dividing line. There was difficulty in regard to bodies of extremely complex chemical structure, because at any given moment the structure of the body might not be completely determined, and it was difficult to say, therefore, that it belonged to a certain chemical group. One must not expect to find any single decisive test. Insulin was easily recognised by physiological or biological test rather than by chemical test, but some methods of recognition of insulin were chemical in nature. The British Medical Research Council, in its standardisation of insulin, had imposed, among other tests, a chemical test wherein the nitrogen content had to come within certain limits. He suggested that if insulin were proved to be a chemical there would be little difficulty in saying that it was a fine chemical.

MR. MORITZ said that even if it were found to be a chemical, he would not admit that it was a fine chemical.

MR. WATSON, continuing, recalled that some years ago a pancreatic extract was put on the market for digestive trouble, but unfortunately it was completely innocent of insulin. Insulin was produced from the pancreas of sheep or oxen or pigs; and it was of considerable importance that, notwithstanding the wide variation in the raw material—the pancreas of two sheep, even though they were bred on the same pasture, were not alike—insulin was obtainable with certainty by a method which could be called a routine method, although it required very careful supervision; and the insulin so produced exhibited strong evidence of identity as between the different specimens. The methods of preparation of insulin were all true chemical methods, and counsel described a method having the same characteristics as other methods, and which he described as typical. (It was described in a paper by Scott and Parker, in the transactions of the Royal Society of Canada, Vol. 5, p. 311, in 1932. His reason for not describing in detail the methods used by the complainants in this case was that they employed some extra steps which it might be undesirable to divulge. (Counsel gave a general description of the process of manufacture.) This process, he continued, was used in the Connaught Laboratories, in Canada, where Banting and his colleagues had worked. From a batch of about half a ton of macerated pancreas there was produced about 1½ oz. of insulin hydrochloride.

MR. MORITZ suggested that, by reason of the multiplicity of operations, the process did not represent a commercial one.

MR. WATSON said the proposition he was concerned to put forward at the moment was that the method of preparation was a chemical method. Insulin was employed exclusively in the treatment of diabetes, but its action in the human body was purely chemical, for it acted as did the ordinary insulin contained in the pancreas upon the glucose in the blood stream and converted it by chemical reaction. It was distinct from a drug, the action of which might be due to its effect upon living tissue, as strychnine and aspirin acted on the muscles of the heart. Coming to identity in the scientific sense, he said that the insulin put on the market as a commercial product was an amorphous body, i.e., it contained certain harmless impurities, and it was sold as a solution. But from that slightly impure amorphous body it was possible to obtain a crystalline body. There was no particular point in crystallising insulin from the commercial point of view, but it was important from the point of view of discovering its nature and constitution. The process of crystallising was one of extreme difficulty, involving special care and skill, but the crystalline insulin had characteristics which showed it to be an identifiable chemical product.

A SUMMARY

Summarising the factors showing that crystalline insulin was a definite chemical product, he said they were:—(1) Different specimens of insulin exhibited the same iso-electric point. (2) Insulin could undergo methylation; the iso-electric point of different specimens of the methylated product was again the same, and by taking away the methyl radical which had been added one obtained reactivated insulin. (3) Determinations of percentage composition of specimens from different sources of supply agreed within the limits of experimental error. There was about 53.3 per cent. of carbon, about 6.7 per cent. of hydrogen, about 15 per cent. of nitrogen and about 3 per cent. of sulphur. The nitrogen content was regarded by the chemist as of very considerable importance in the identification of a protein (and insulin was a protein), and the high content of sulphur identified insulin to a very large extent among the proteins to which it was related. The British Medical Research Council insisted upon the determination of nitrogen.

(4) Insulin had the property of specific rotation of the plane of polarisation. (5) The absorption spectrum, which indicated the presence of certain amino acids, which were always present. (6) Crystalline insulin had a characteristic crystalline form (as shown by the work of Clark and Corrigan in the Chemistry Department of the University of Illinois). (7) The decomposition point of crystalline insulin under heat ($233^{\circ}\text{C}.$). (8) The solubilities of salts of insulin hydrochlorides, sulphates and picrates in solutions such as alcohol, ether, acetone and acetic acid had been determined and found to be constant over different specimens. Great importance was to be attached, from the scientific point of view, to the solubility of the picrate in acetone, because that enabled insulin to be differentiated with a considerable degree of certainty from other proteins in the family to which it belonged. (9) The constant reaction to precipitants such as picric acid, trichloroacetic acid, sodium oxalate, sodium chloride and ammonium sulphate. That set of reactions, in the view of experts, classified insulin definitely as a protein. While the general trend of those reactions indicated that it was a protein, the reaction with the oxalate definitely enabled one to identify it as against other proteins. (10) The production of the hydrolysis of certain acids which could be readily identified by accepted methods. (11) Precipitation by heat in the presence of acids.

In deciding whether a chemical was a fine chemical, one of the tests to be applied was whether or not it was made by fine chemical manufacturers; this test had been applied at previous inquiries. One of the present complainant firms produced both pharmaceutical products and fine chemicals, and, long before any controversy in this matter arose, it had manufactured insulin in its fine chemical factory and not in the pharmaceutical products factory. Another factor was that in the preparation of insulin there were certain phases which required the exercise of very considerable skill. The heating had to be applied up to a certain point, and the determination of hydrogen-ion concentration had to be done at a certain point. Other factors were the comparatively small amounts of the body produced at a time, the purpose for which it was made and the cost of preparation, though perhaps none of these were conclusive in themselves.

Evidence for the Complainants

PROFESSOR R. ROBINSON, M.A., D.Sc., LL.D., F.I.C., F.R.S. (Professor of Chemistry, Oxford University), giving evidence for the complainants, said he had no personal experimental knowledge of insulin, but he possessed knowledge derived from the literature and from discussions with others more intimately concerned with it experimentally. He quoted figures obtained by different workers to show that the percentages of carbon, hydrogen and nitrogen were remarkably coincident; the analysis of insulin was quite as satisfactory as the analysis of any other protein from the point of view of constancy of results, and it was perhaps the best investigated of the known proteins. Referring to the work of Harrington and Scott, Professor Robinson described a paper by them, published in 1929, as classical; he said he had seen the crystals Dr. Harrington had isolated and was amazed by their regularity; he was impressed at once by the fact that here was a definite chemical substance. The insulin on the market was a solution—he repudiated the suggestion that it was amorphous. The best specimens of this so-called amorphous insulin were approximately as potent physiologically as the crystalline insulin. There was no evidence that there existed more than one substance of insulin.

The word "chemical" had a varying significance in common usage. The word "chemistry" also had varied in meaning from time to time. The first chemistry was alchemy; later the word was used as indicating chemistry in medicine; and it had since come to be recognised as meaning a science and an art. Dictionary definitions had varied from time to time with the progress of the science. He would define a chemical in popular usage as being a material or matter or substance which possessed some characteristic property or use. The ordinary man applied the word to something which possessed some unusual prop-

erty; he would not apply it to wood or water, because they were substances to which he was accustomed. The word "chemical" was not used very much as a noun among scientific men, but they recognised it as an English word.

Professor Robinson regarded insulin as a fine chemical because it had a particular property which no other substance so stable possessed, and because it was produced in relatively small amounts by manufacturers who devoted their attention to the preparation of substances which he would also call fine chemicals. He would regard radium preparations as fine chemicals, though they were by no means pure; they possessed the very special property of radio activity, they were produced by the application of a sufficient degree of skill and had particularly specific uses, and their comparative rarity also entered into the consideration. Rarity, expense, care and skill in manufacture and unique uses were all factors entering into the definition of a fine chemical.

MR. MORITZ, cross-examining, suggested that the operations performed in the production of insulin, as described, were operations of the physiologist, as distinct from the chemist. PROFESSOR ROBINSON replied that they were entirely operations of the chemical laboratory.

MR. MORITZ urged that proteins, and insulin in particular, were extraordinarily sensitive to vigorous chemical operations. PROFESSOR ROBINSON agreed that they were sensitive to vigorous chemical operations. But he would not accept the suggestion that the only operations to which they could be subjected whilst at the same time retaining their original condition were operations of physiological chemistry. The processes applied were chemical processes, and if a physiologist used them he was performing purely chemical operations.

MR. MORITZ pointed out that many new physiological products were coming on to the market, and their composition was to a large extent uncertain. He mentioned pepsin as an example. PROFESSOR ROBINSON said he would be inclined to think that pepsin prepared specially pure would be a fine chemical. In any case he would regard it as a chemical.

(To be continued)

New Books

Durrans, T. H.—*Solvents*. Third edition. 8½ in. by 5½ in. Pp. 205. 10s. 6d. Chapman & Hall, 11 Henrietta Street, London, W.C.2. [The first edition appeared in 1930. The constant experimenting with new solvents or combinations of solvents occasions frequent revision in the case of a text-book so authoritative as this. Dr. Durrans has included information concerning new solvents not yet available technically, and has added a plasticiser-dosage table. Each of the two divisions of the volume has its own introduction, and the appendices include lists of trade names and solubility tables.]

Pharmacopœia of the Hospital for Sick Children. 5½ in. by 3½ in. Pp. 96, interleaved. The Hospital for Sick Children, Great Ormond Street, London, W.C.1. [The revision of this well-known formulary has been carried out under the editorship of Mr. J. Wicliffe Peck, Ph.C., pharmacist to the Hospital. In addition to formulas, the volume contains an authoritative series of monographs on such subjects as pycnography, serum therapy, sterilisation, diet and the care of children. These are primarily intended, no doubt, for medical practitioners and nurses, but some are of more general value.]

Hampshire, C. H.—*Volumetric Analysis for Students of Pharmaceutical and General Chemistry*. Fifth edition. 7½ in. by 4½ in. Pp. 195. 8s. 6d. J. & A. Churchill, 40 Gloucester Place, London, W.1. [This edition shows an increase of sixty-five pages on its immediate predecessor, published in 1927. The old features of proved usefulness are retained, and the opportunity has been taken of bringing the volume into line with the specifications of the British Pharmacopœia, 1932. Applications of general methods to special drugs and chemicals are printed in a smaller type than the principal parts of the book.]

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, November 23

THE disturbed condition of the markets, due to exchange fluctuations and future uncertainty, is the main feature this week. Under the circumstances business has been as good as can be expected, with most orders for goods on spot; the forward shipment markets, although attractive so far as prices when converted into sterling are concerned, are in many instances practically nominal and neglected. Conditions in the pharmaceutical chemicals markets continue steady, and business is about average. Home makers of chloral hydrate notify a reduction in their scale of prices. Quinine salts are due for a reduction on current exchange rates, but so far nothing has been notified. In crude drugs the outlook for the public auction is not good, but reserve prices are likely to be generally maintained. Ergot tends to be a slightly firmer market. Menthol moved to still cheaper prices, but was later a little steadier, with business slow. The best grades of Tinnevelly senna leaves are rather firmer on spot. The lower grades of tragacanth continue in good demand. Business in essential oils has been patchy and mostly for spot goods. Bois de rose is firm. Java citronella is again easier forward and dull. Lemongrass is steady on spot and cheaper forward. Palmarosa is easier and slack. Petitgrain is very firm on spot and dearer. Spearmint is cheaper. The domestic business in industrial chemicals is fairly satisfactory, and is being mainly done by home makers, and their prices are keeping steady. Japanese arsenic is offering cheaply. Formaldehyde and acetic acid are in good demand. Oxalic acid is steady and fair sales are reported: Red and white leads are at former Convention figures.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	November 23	Value of the £
Amsterdam ..	Fl. to £	12·107	8·13	13/5½
Berlin ..	Mks. to £	20·43	13·71½	13/5
Brussels ..	Belgas to £	35	23·52	13/5½
Copenhagen ..	Kr. to £	18·159	22·40	24/8
Lisbon ..	Esc. to £	110	108	19/7½
Madrid ..	Ptas to £	25·22½	40½	31/11½
Milan ..	Lire to £	92·46	62½	13/5½
Montreal ..	Dol. to £	4·86½	5·21	21/5
New York ..	Dol. to £	nominal	5·39½	22/3
Oslo ..	Kr. to £	18·159	19·00	21/11
Paris ..	Fr. to £	124·21	83½	13/5½
Prague ..	Kr. to £	164·25	109½	13/5
Stockholm ..	Kr. to £	18·159	19·39½	21/4½
Warsaw ..	Zloty to £	43·38	29	13/5
Zurich ..	Fr. to £	25·2215	16·85	13/4½

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

A MODERATE business is being done, mostly for limited quantities for prompt delivery. British makers' scale of prices for chloral hydrate has been reduced by threepence. Phenacetin is offering under the schedule rates. Quinine salts are due for a reduction on current exchange rates.

AMIDOL.—Market is steady, but business is slow: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins.

AMIDOPYRIN.—Some occasional spot business, with dealers' prices about unchanged; crystals, two cwt., 19s. 9d.; less than two cwt., 20s. 9d. per lb.; with powder, 2½d. per lb. extra.

AMMONIUM ICHTHOSULPHONATE.—Market is steady, average business in small lots: one cwt., 1s. 6d., in 14-lb. tins; 1s. 7d. in 1-lb. tins; 1s. 10d. in 8-oz. tins; and 2s. per lb., in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices quite steady, with business moving on a good scale: home trade, ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt., 2s. 10½d.; 28 lb., 2s. 11d.; 14 lb., 3s.; 7 lb., 3s. 2d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt., 2s. 10½d. per lb., f.o.b.; less than one cwt., 2s. 11d. per lb., ex works.

BARBITONE.—Dealers' prices are steady on spot except for isolated cheap offers; forward prices move with exchanges: spot, one cwt., 13s. 2d.; 50 lb., 13s. 6d.; 14 lb., 13s. 9d.; small parcels, up to 14s. 3d. per lb.

BENZOIC ACID (B.P.) meets with a steady demand, with prices well maintained: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices for these salts continue at the recent advance: carbonate, cwt. lots, 7s. 8d. per lb.

BROMIDES.—Rather more inquiry, with makers' and dealers' quoted prices holding: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 1d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., without engagement. Special prices for larger quantities.

CAFFEINE.—Prices for Continental material continue to be quoted steadily in sterling, ex store, London, as follows: pure, 250 lb., 6s. 6¼d.; 100 lb., 6s. 8¼d.; 50 lb., 6s. 11d.; less than 50 lb., 7s. 1d. per lb. Citrate, 250 lb., 5s. 5d.; 100 lb., 5s. 5½d.; 50 lb., 5s. 7d.; less than 50 lb., 5s. 8½d. per lb. The former scale of prices f.o.b. is unchanged. We are advised that packages of all sizes will be charged for in future.

CALCIUM LACTATE.—A fair inquiry, with keen prices quoted for quantities: spot, one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2½d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Makers' scale of prices for this market have been reduced threepence per lb.: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 3d.; one cwt., 3s. 4d.; 56 lb., 3s. 5d.; 28 lb., 3s. 6d.; 14 lb., 3s. 7d. per lb.; 28-lb. jars, one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Makers' home trade quoted price continues steadily at 9½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are quoting at about level figures.

CREAM OF TARTAR.—The market continues steady, with British makers quoting 99 to 100 per cent. for home trade at 80s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers' prices are about competitive.

CREOSOTE (B.P.).—Business on spot is quiet, Dealers quote quantities in 25-kilo. demijohns at 1s. 9½d. up to 2s. 2d. per lb. for small parcels.

ETHER (METHYLATED).—Makers' prices are as follows: s.g. 0.750, 1s. 1½d.; 0.735, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb., in w-quarts; 12 w-quarts, half-penny less and packed in drums or carboys 1d. less.

FERRI QUININE CITRATE.—Makers' prices are as follows:—

Packing	100 oz. Per oz.	Less than 100 oz. Per oz.	Packing	100 oz. Per oz.	Less than 100 oz. Per oz.
100-oz. tins ...	10½d.	—	8- & 4-oz. bottles	11½d.	11½d.
25-oz. tins ...	10½d.	11d.	1-oz. bottles ...	1/0½	1/1
16-oz. bottles ...	11d.	11½d.	½-oz. bottles ...	1/3½	1/4

Special prices for larger quantities.

GUAIACOL CARBONATE.—Some spot offers may be well under the recently advanced Continental prices, as follows: two cwt., 9s. 10½d.; one cwt., 10s. 0½d.; less than one cwt., 10s. 2½d. per lb., ex wharf, duty paid.

HEXAMINE.—Home makers' scale of prices is nominal at the moment; Continental competition: ten cwt., 1s. 9d.; five cwt., 1s. 9½d.; two cwt., 1s. 10d.; one cwt., 1s. 10½d.; 56 lb., 1s. 11d.; 28 lb., 1s. 11½d.; 14 lb., 2s.; 7 lb., 2s. 0½d. per lb. British rough powder is quoted from 1s. 5d. to 1s. 6½d. per lb., as to quantity.

HYDROQUINONE.—Some occasional inquiry, with makers' prices for this market unchanged: five cwt., 5s. 8½d.; two cwt., 5s. 9d.; one cwt., 5s. 9½d.; 56 lb., 5s. 10½d.; 28 lb., 6s.; 14 lb., 6s. 2d.; 7 lb., 6s. 6d. per lb., carriage paid.

LACTIC ACID (B.P.).—A moderate inquiry with keen prices quoted for bulk quantities: packed in carboys, 1s. 4½d. to

rs. 5½d.; in winchesters and bottles, rs. 7d. to rs. 10d. per lb., as to quantity.

MERCURIALS.—Makers' prices are as follows:—

	Under 112 lb.	Not less than 112 lb.
	Per lb. s. d.	Per lb. s. d.
Ammoniated lump, B.P. (white precip.) ...	4 10	4 9
Ammoniated powder, B.P. ...	5 0	4 11
Bichloride lump, B.P. (corros. sub.) ...	4 1	4 0
Bichloride powder, B.P. ...	3 9	3 8
Chloride, B.P. (calomel) ...	4 10	4 9
Red oxide cryst., B.P. (red precip.) ...	5 11	5 10
Red oxide levig., B.P. ...	5 5	5 4
Yellow oxide, B.P. ...	5 3	5 2
Persulphate white, B.P.C. ...	5 0	4 11
Sulphide black (hyd. sulph. cum. sulph.) 50 per cent. ...	4 11	4 10

Net, without engagement. Special prices for large quantities and for contracts deliverable three months.

METHYL SALICYLATE (B.P.).—British makers' and dealers' quotations are easy, business limited: one ton and over, rs. 4½d.; ten cwt., rs. 5d.; five cwt., rs. 5½d.; one cwt., rs. 6d.; less than one cwt., rs. 6½d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Continental prices continue at the recent reduction, with buyers given the option of purchasing on the basis of gold in French francs or Swiss francs. Based on gold the scale is as follows: two cwt., 12s. 5½d.; one cwt., 12s. 10½d.; 56 lb., 13s. 3½d.; less than 56 lb., 13s. 8½d. per lb., ex warehouse, duty paid. Converted into sterling on a French franc exchange of 81 they work out as follows: two cwt., 19s. 1½d.; one cwt., 19s. 8½d.; 56 lb., 20s. 4½d.; less than 56 lb., 21s. per lb.

MORPHINE.—Makers' prices are as follows:—

	Under 5 oz.	5 oz. and over assorted	For 100 oz. assorted contracts over 6 months	For 250 oz. assorted contracts cover 6 months
	oz. s. d.	oz. s. d.	oz. s. d.	oz. s. d.
Morphine:				
alkaloid precip. ...	23 2	22 1	21 7	21 1
meconate ...				
tartrate (neutral) ...				
acetate ...				
hydrochloride powder ...	18 8	17 10	17 4	16 10
sulphate ...				

Fall clause for contracts of 100 oz. and over.

PHENACETIN.—The tone is still rather unsteady, with some cheap spot sellers; business limited: crystals, ten cwt., 4s. 1½d.; five cwt., 4s. 3d.; two cwt., 4s. 4½d.; 56 lb., 4s. 6d.; less than 56 lb., 4s. 9d. per lb., carriage paid on minimum cwt. lots. No falling clause on contracts over twelve months.

PHENAZONE.—Spot material is being offered in some quarters at under the fixed scale; business quiet: crystals, ten cwt., 10s. 6d.; five cwt., 10s. 9d.; two cwt., 11s. 1d.; and less, up to 11s. 6d. per lb., with powder 2½d. per lb. extra.

PHENOLPHTHALEIN.—Some little inquiry, with makers' agreed prices quoted: two cwt., 4s. 7d.; one cwt., 4s. 8d.; 28 lb., 4s. 11d.; 14 lb., 5s. 2d.; 7 lb., 5s. 5d.; smaller parcels, up to 5s. 8d. per lb.

PHENYL ETHYL BARBITURIC.—Business is of little importance, market irregular: spot, 30s. to 31s. per lb. for small parcels, and less for bulk quantities.

POTASSIUM PERMANGANATE (B.P.).—Dealers' prices are steady with a fair business being done: quantities, in two-cwt. drums, 9d. to 9½d.; druggists' parcels, 9½d. to 10½d. per lb., as to quantity.

POTASSIUM SULPHOGUAIACOLATE.—Continental prices for material to come forward are still dear, as compared with some spot offers: to arrive, two cwt., 6s. 4½d.; one cwt., 6s. 6½d. per lb., ex wharf, duty paid.

PYROGALLIC ACID.—A little inquiry is being dealt with, quoted unchanged: 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

QUININE SALTS.—Convention prices are unchanged, but are liable to fluctuation with exchange rates: sulphate, 2s.; bisulphate, 2s.; ethyl carbonate, 2s. 7½d.; salicylate, 2s. 8d.; phosphate, 3s.; hydrochloride, 2s. 6½d.; bihydrochloride, 2s. 9½d.; hydrobromide, 2s. 6½d.; bihydrobromide, 2s. 9½d.; valerianate, 3s. 1½d.; hypophosphite, 3s. 4½d.; alkaloid, 2s. 9½d. per oz., carriage paid on bulk quantities.

RESORCIN.—Business is slow, with the former scale prices unchanged: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb.

ROCHELLE SALTS.—Makers' prices are as follows: powder, five cwt. and over, 67s. 6d.; one cwt., 70s.; less than one cwt., 72s. 6d. per cwt.; with crystals, 2s. 6d. per cwt. extra. PULV. SEIDLITZ, five cwt. and over, 55s.; one cwt., 56s. 9d.; less than one cwt., 58s. 9d.; double salts, five cwt. and over, 60s. 6d.; one cwt., 62s. 9d.; less than one cwt., 64s. 9d. per cwt., casks free, carriage paid on minimum cwt. lots. Quoted without engagement.

SALICYLIC ACID (B.P.).—The home trade quoted price is steady, business slow: one ton, rs. 7d.; ten cwt., rs. 7½d.; five cwt., rs. 8d.; one cwt., rs. 8½d.; 28 lb., rs. 9d.; 14 lb., rs. 10d.; 7 lb., 2s. per lb.

SALOL.—Market is dull and quoted at former prices: spot, crystals, two cwt., 3s. 10d.; one cwt., 3s. 11½d.; 56 lb., 4s.; smaller parcels, 4s. 1d. per lb.; powder, 2d. per lb. extra.

SANTONIN.—It is reported it is now possible that the present agreement between the sources of supply will not be renewed. For some time the dollar scale has been nominal, with cheaper offers on the market.

SODIUM BENZOATE (B.P.).—Competition is noted for a moderate business. 1932 B.P. quality, in bulk quantities, 1s. 6d.; cwt. lots, 1s. 7d.; smaller parcels, up to 1s. 10d. per lb.

SODIUM DIETHYLBARBITURATE.—The scale of prices from home makers is unchanged: spot, one cwt., 13s.; 56 lb., 13s. 3d.; 28 lb., 13s. 6d.; 14 lb., 13s. 9d.; 7 lb., 14s.; smaller parcels, up to 15s. per lb.

SODIUM SALICYLATE (B.P.).—The market is quoted at former prices; business is slow and the tone rather easy: home trade, powder, one ton, 2s. 0½d.; ten cwt., 2s. 1d.; five cwt., 2s. 2d.; one cwt., 2s. 3d.; 28 lb., 2s. 4d.; 14 lb., 2s. 6d.; 7 lb., 2s. 7d.; 1 lb., 2s. 8d. per lb., with crystals one penny per lb. extra.

SULPHONAL.—Continental prices continue at the recently reduced figures and put on a gold basis, with buyers given the option of purchasing in French francs or Swiss francs. Based on gold the scale is as follows: crystals, two cwt., 10s.; one cwt., 10s. 5d.; 56 lb., 10s. 7d.; less than 56 lb., 11s. 1d. per lb.; powder, 1½d. gold per lb. extra, ex warehouse, duty paid. Converted into sterling on a French franc exchange of 81 they work out as follows: crystals, two cwt., 15s. 3½d.; one cwt., 15s. 11½d.; 56 lb., 16s. 2½d.; less than 56 lb., 16s. 11½d. per lb.; powder, 2 cwt., 15s. 6d.; one cwt., 16s. 1½d.; 56 lb., 16s. 4½d.; less than 56 lb., 17s. 2d. per lb.

STRYCHNINE SALTS.—Makers' prices are as follows:—

	Under 16 ozs.	16 ozs.	35 ozs.
	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.
Pure cryst. ...	2 7	2 5½	2 5
Pure precip. ...	2 6	2 4½	2 4
Aresniate ...	2 7	2 5½	2 5
Bisulphate ...	2 1	1 11½	1 11
Hydrochloride ...	2 4	2 2½	2 2
Hypophosphite ...	4 8	4 6½	4 6
Nitrate ...	2 2	2 0½	2 0
Phosphate ...	3 0	2 10½	2 10
Sulphate ...	2 3	2 1½	2 1

25-oz. tins free. Lower prices for contracts, with rise and fall clause.

TARTARIC ACID (B.P. CRYSTALS).—British makers' quoted price is very steady at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices are about competitive.

THEOBROMINE.—Prices for Continental material continue to be quoted in sterling, ex store, London, as follows: pure, 250 lb., 6s. 6½d.; 100 lb., 6s. 8½d.; 50 lb., 6s. 11d.; less than 50 lb., 7s. 1d. per lb. Sodium salicylate, 250 lb., 6s. 4½d.; 100 lb., 6s. 5½d.; 50 lb., 6s. 6½d.; less than 50 lb., 6s. 7½d. per lb. The former scale of prices f.o.b. is unchanged. We are advised that packages of all sizes will be charged for in future.

THYMOL.—Prices for synthetic are at the recently reduced rates: synthetic, fine white, one cwt., 5s.; 56 lb., 5s. 1½d.; 28 lb., 5s. 3d.; 14 lb., 5s. 6d. per lb.; ex ajowan seed, one cwt., 7s. 3d.; 56 lb., 7s. 4½d.; 28 lb., 7s. 6d.; 14 lb., 7s. 9d. per lb.

VANILLIN.—The market is fairly steady and a moderate business is reported: 100 per cent., one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb. The scale of prices for ex clove oil has been reduced to that quoted for guaiacol.

Crude Drugs, etc.

A REPORT of the drug auction will be found at the end of the Trade Report.

AGAR.—Market keeps steady, but business is of small account: spot, Kobe No. 1, 1s. 11d.; No. 2, 1s. 9d.; Yokohama No. 1, 1s. 9d. per lb.; shipment, Kobe No. 1, 1s. 8d.; No. 2, 1s. 6d.; Yokohama No. 1, 1s. 6d. per lb., c.i.f.

ANTIMONY.—Market is quoted unchanged. Chinese crude, spot, £20 10s.; shipment, £18, c.i.f. Chinese oxide, spot, £28; shipment, £25 10s., c.i.f.

BELLADONNA ROOT.—Dealers are quoting small parcels of good test root from 60s. per cwt.

BURDOCK ROOT.—Spot root in small lots is available at about 50s. per cwt.

CAMPHOR.—There has been no improvement in demand; quoted prices maintained: spot, slabs, 2s. 1½d.; flowers, 2s. 3d.; tablets, 2s. 5½d. per lb.; shipment, slabs, 1s. 9½d.; flowers, 1s. 9½d.; tablets, 2s. 0½d. per lb., c.i.f. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CANTHARIDES.—Some parcels of Russian flies are quoted at 7s. 3d. to 7s. 6d. per lb.

CELERY SEEDS.—New crop seeds are now quoted at about 1s. 6d. per lb. for small parcels.

CHAMOMILES.—There is a sustained demand for good white flowers, valued at up to 280s. per cwt.

CLOVES.—The market has been dull and values are slightly cheaper. Zanzibar, spot, 5½d.; shipment, November-January and January-March, 4½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended November 11 were 137 and the deliveries 208, leaving a stock of 2,800. From January 1 to date, landings of Zanzibar have been 6,038 and the deliveries 4,878. Landings of Madagascar for the week ended November 11 were nil, and the deliveries 2, leaving a stock of 998. Landings of Madagascar this year to date have been 58 and the deliveries 216.

COCOA BUTTER.—Prime English is now quoted from 5d. to 9d. per lb., as to quantity.

COCONUT (DESICCATED).—Business has been slow and values are a point easier this week. Spot, fine, 16s.; medium, 15s. 9d.; shipment, halves, November-December, 14s. 6d. per cwt., c.i.f.

COD-LIVER OIL.—Newfoundland finest non-freezing medicinal oil, 132s. 6d. per barrel, ex store. British oil, non-freezing, finest medicinal quality, is being quoted by the makers at 125s. per barrel, c.i.f. London. The latest reports from Norway suggest that remaining stocks are in strong hands and that some shippers are now asking up to 105s. per barrel, c.i.f., for finest Loloten steam-refined non-freezing medicinal oil; there may be some sellers at less. Spot, small lots, 142s. 6d. per barrel, ex store, duty paid.

DANDELION ROOT.—Dearer prices are now being quoted for foreign root at up to 60s. per cwt., c.i.f.

ERGOT.—The market is strong at former figures. Spanish, 1s. 7½d., c.i.f. Portuguese, 1s. 6d., c.i.f., and Russian, 1s. 1½d. per lb., c.i.f.

GELATIN.—Dealers are doing a fair business at steady prices: German, gold leaf, 2s. 4d.; silver leaf, 2s. 2d.; bronze leaf, 1s. 10d.; plain label, 1s. 8½d. French, gold leaf, 1s. 10d.; silver leaf, 1s. 8d.; bronze leaf, 1s. 6½d. per lb., in cwt. cases.

GENTIAN.—Dealers are quoting small lots of French root at about 55s. per cwt.

GINGER.—West African is offering on spot at about 21s. and for shipment at 18s. per cwt., c.i.f. Jamaican is steady from 77s. 6d. to 110s. per cwt., as to quality.

GLYCERIN.—Makers' prices are as follows for B.P. quality:—

Packing	Under 1 cwt.	1 cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.
	Per cwt. s. d.	Per cwt. s. d.	Per cwt. s. d.	Per cwt. s. d.	Per cwt. s. d.
14-lb. tins ...	77 6	73 0	72 0	69 0	68 0
28-lb. tins ...	74 6	70 6	69 6	66 6	65 6
56-lb. tins ...	71 6	68 0	67 0	64 0	63 0
1-cwt. drums, charged 20/0	—	63 6	62 6	59 6	58 6
2½-cwt. drums, charged 60/0	—	—	60 6	57 6	56 6
5-cwt. drums, charged 75/0	—	—	—	57 0	56 0
10-cwt. drums, charged 100/0	—	—	—	—	55 6

Minimum deliveries ex contract, one cwt. except for ten cwt. to one ton contracts, where minimum delivery is two cwt. Industrial white glycerin, 1.260 s.g., 2s. per cwt., less than chemically pure; refined pale straw glycerin, 1.260 s.g., 5s. per cwt. less than chemically pure.

HYDRASTIS.—Not much inquiry except for small spot parcels. Spot, 4s. 6d. per lb.; shipment is nominal at slightly under 4s. per lb., c.i.f.

LYCOPodium.—Case lots are now quoted on spot at about 2s. 9d. per lb.

MALE FERN EXTRACT.—Dealers are quoting spot supplies at about 4s. 7d. per lb., duty paid.

MANNA.—New crop is now available, with 1-lb. tins of selected flake at about 5s. per lb., and less for quantities.

MENTHOL.—The market sagged badly early in the week and prices were slightly under 7s. for shipment. Later conditions were a little steadier and values recovered a few points. K/S brands, 10s. per lb., and less for bulk quantities; shipment, October-December, about 7s. 4½d.; January-March, 7s. 4½d. per lb., c.i.f.; for goods afloat about 7s. 9d. per lb. is wanted. Business has been quiet throughout.

MERCURY.—Exchange fluctuations have been interfering with business. Spanish-Italian is quoted on spot from £9 12s. 6d. to £9 17s. 6d. per bottle, ex store. The shipment quotation in dollars is nominal.

OPIMUM.—The shipment market continues nominal, with a firm tone owing to the reported buying activities of the Turkish Government. Spot is rather quiet, but very steady from 1s. 1d. per unit, landed and duty paid.

PEPPER.—Quotations for all positions and kinds are well maintained on the week; business limited. Lampong, spot, 4½d.; shipment, November-December, 3½d.; January-March, 3½d., c.i.f. Tellicherry, spot, 5½d.; shipment, January-March, 39s. Aleppy, spot, 5d.; shipment, January-March, 36s. 6d., c.i.f. White Muntok, spot, 6½d.; afloat, 5½d.; January-March, 5½d. per lb., c.i.f.

PIMENTO.—Business has been quiet this week. Spot, 2½d.; shipment, December-January, 24s. per cwt., c.i.f.

RUBBER.—Prices advanced early in the week, but have since dropped back, closing dull and barely steady. Standard ribbed smoked sheet, spot, 4½d.; December, 4½d.; January, 4½d.; February, 4½d.; March, 4½d.; April-June, 4½d.; July-September, 4½d.; October-December, 4½d. per lb.

SAFFRON.—Dealers report a moderate business at the recently reduced prices: spot, prime B.P., 57s. 6d.; extra B.P., 54s. 3d.; super B.P., 51s. 6d. per lb.; and slightly less for bulk quantities.

SEEDS.—ANISE.—Spot, Spanish, 55s.; Bulgarian, 41s.; Turkish, 40s., duty paid. CORIANDER.—MOROCCO, 1929 crop, 15s.; 1933 crop, 16s., duty paid. Wormy offered at 14s. 6d. For shipment, 12s. 6d., c.i.f. CUMIN.—No Malta on spot. MOROCCO, 52s. 6d., spot, duty paid. CARAWAY.—Dutch market on the quiet side; 52s. 6d. quoted, duty paid. GENUGREEK.—Tunisian, 15s., spot; Morocco, 13s., business done. LINSEED.—More inquiry. Morocco offering at 21s. 6d. MUSTARD.—English quoted 21s. 6d. to 32s. 6d., according to quality.

SENEGA.—Business on spot has been poor, with values now about 1s. 7d.; shipment is nominal at about 1s. 5d. per lb., c.i.f.

SENNA.—Prices for good green Tinnevely leaves are again quoted at higher prices and supplies of best grades are now limited. Recent arrivals have shown a marked falling off in quality and, it is reported, substantial allowances have been requested. It is not probable that further shipments of good green leaves will be received until the middle of next year; in the meantime holders of prime quality are not pressing sales. Alexandria: Moderate sales of pods are reported, with supplies of the finest hand-picked pods insufficient to meet the demand.

SHELLAC.—After moving up to higher figures the market closes rather dull and easier. Spot, standard TN orange, 62s. 6d. to 67s. 6d.; fine orange, 75s. to 120s.; pure button, 80s. per cwt. For delivery, TN, December, 63s.; March, 58s. For arrival, TN, December-January, 53s. per cwt., c.i.f.

SQUILL.—The price on spot is keeping steady at 34s. to 35s. per cwt. for good white.

TRAGACANTH.—A steady demand for the lower grades continues at full prices. Further business in fine whites with druggists' quality short. Rather more inquiry for medium whites, with few parcels offering. Exchange difficulties are holding up business.

VALERIAN ROOT.—Dealers are now offering arrivals of new crop at about 55s. per cwt.

WAX (VARIOUS).—A moderate business is reported, with quoted prices for shipment ultimately a little firmer: CARNABA, fatty grey and chalky grey, 73s. 6d., duty paid, and 67s. 6d. in bond. Shipment offers are restricted, with November-December at 63s., c.i.f., and December-January at 62s., c.i.f. Primeira, 160s., duty paid, and 145s. in bond, with some business passing; January-February shipment done at 117s. 6d., c.i.f. Mediana, 140s. in bond and 132s., c.i.f., with supplies short. BEES'.—Dar-es-Salaam, 95s., ex store, and 88s., c.i.f. Abyssinian, 93s., spot; 82s., c.i.f. Calcutta, 112s. 6d., spot, and 100s. per cwt., c.i.f. Benguella, 93s., duty paid, and 85s. per cwt., c.i.f.

Essential Oils, etc.

BUSINESS limited in volume and mostly for spot material is reported this week. Many of the forward markets are attractive, so far as prices in sterling are concerned, but the present unsettled state of exchange rates is hindering trade. Japanese peppermint weakened early on, but is now a little steadier.

ALMOND.—Market is quiet but steady. English, cwt. lots, 2s. 6d.; smaller parcels, up to 2s. 8d. per lb. Foreign, cwt. lots, 2s. 4d.; smaller parcels, up to 2s. 7d. per lb.

ANISE (STAR).—Business is quiet, market steady for shipment: spot, "Red Ship," in leads, 1s. 10½d.; in tins, 1s. 8½d.; in drums, 1s. 7½d.; shipment, in leads, 1s. 8½d.; in tins, 1s. 6½d.; in drums, 1s. 6½d. per lb., c.i.f.

BAY.—Some small spot orders have been done with prices from 6s. 3d. to 7s. per lb., as to percentage.

BERGAMOT.—Conditions in this market remain dull. Shipment for new crop is quoted at about 6s. 2d. to 6s. 4d. per lb. for genuine oil, but there seems to be little interest shown. Spot offers vary from 6s. to 6s. 6d. per lb., as to brand and quantity.

BOIS DE ROSE.—The Brazilian oil continues very firm on spot with the limited supplies available held for 4s. 10½d. per lb. It is reported that supplies are not to be had at the source.

CAJUPUT.—Market is dull and unchanged. B.P., 1932 quality, 2s. 1½d. to 2s. 3d. per lb., as to quantity; green, 1s. 10½d. to 2s. per lb.

CANANGA.—Business is of small importance, market about steady. Spot, about 8s. 2d. to 8s. 4d.; shipment, 7s. to 7s. 2d. per lb., c.i.f.

CASSIA.—Spot supplies continue scarce, with the price fully 3s. 8d. to 3s. 9d. per lb.; shipment, in drums, 3s.; in leads, 3s. 1½d. per lb., c.i.f.

CEDARWOOD.—The American oil on spot is fairly steady at 1s. 6d. to 1s. 7d. per lb. in drums, with shipment nominal and moving about with exchange rates. Colonial, in drums, 1s. 5d.; in tins, 1s. 7d. per lb. A moderate business in small quantities reported.

CINNAMON LEAF.—A very fair inquiry is being received, with Ceylon oil steady at 2s. 8½d. to 3s. per lb., as to quantity.

CITRONELLA.—There has been no improvement in business and prices are again rather easier. Ceylon, spot, in small parcels, about 1s. 10d.; shipment, about 1s. 5d. per lb., c.i.f. Java has cheapened on exchange for shipment and is now about 1s. 6½d., c.i.f., with small spot lots about 2s. to 2s. 1d. per lb., and less for bulk quantities.

CLOVE.—The Madagascar oil is keeping fairly steady on spot as quoted at about 3s. 3d. to 3s. 5d. per lb., as to quantity; shipment, about 2s. 8½d. per lb., c.i.f.

EUCALYPTUS.—There is a steady inquiry for the Empire oil with prices fully maintained. Australian, 70 to 75 per cent., 11½d. to 1s. 0½d.; 80 to 85 per cent., 1s. 0½d. to 1s. 1½d. per lb., as to quantity. Spanish, 70 to 75 per cent., 1s. 2d. per lb.

GERANIUM.—Inquiry here for forward is negligible, with the figure for Bourbon about 21s. 4½d. per lb., c.i.f., for straight oil. Spot offers vary as to quality. Algerian for shipment continues firm at about 24s. 6d. per lb., c.i.f.

GINGERGRASS.—The market remains dull. Spot, about 5s. 9d.; shipment, about 4s. 6d. per lb., c.i.f.

JUNIPER BERRY.—At the prices mentioned the market is about steady. Spot, from 3s. 2d. to 3s. 6d. per lb., as to quantity.

LAVERDER.—Shipment offers for French of the finest quality, 38 to 40 per cent., vary from 13s. up to 16s. per lb., landed and duty paid, and it is reported that supplies are now below normal. Inquiry here is not of much account, but the source report good inquiry from America.

LEMON.—Business in the Sicilian product remains comparatively poor, with shipment offers of new crop hand-pressed at 4s. 1d. to 4s. 2d. per lb., c.i.f., with old oil slightly less. Machine-made for shipment is at about 3s. 5d. to 3s. 6d. per lb., c.i.f. Californian has continued in fair demand on spot,

with the price in cents unchanged; in large drums, 48 cents; in small drums, 49 cents per lb.

LEMONGRASS.—The market has been quiet and is rather easier forward. Spot, about 3s. 9d. and steady; shipment, about 3s. 5d. per lb., c.i.f.

LIME.—Business has been of small account, with West Indian distilled for shipment at about 28s., c.i.f.; small spot parcels, about 31s. 6d. per lb.

MANDARIN.—The shipment market for the best-quality oil is dearer at fully 16s. per lb.; spot varies from 14s. 6d. to 15s. 9d. per lb., as to quality and quantity.

NUTMEG.—Average small spot business is being done. English, about 6s. 3d.; American, from 5s. 6d.; Continental, about 5s. 6d. per lb. for small parcels.

ORANGE.—Practically all the business done here has been shared between the French Guinea and the Californian oils, the Sicilian product being badly neglected. New crop Sicilian sweet, shipment, 5s. 1d. to 5s. 4d., c.i.f., as to brand and quantity; spot, about 5s. 3d. to 5s. 6d. per lb. Sicilian bitter, new crop, from 4s. 3d., c.i.f. French Guinea continues to find good business, with quantities for shipment about 2s. 3d., c.i.f., and less for very large bulk lots; small spot parcels, 3s. 4d. per lb. Californian has again been in good request; spot, one case, 61 cents; two or more cases, 56 cents per lb.

PALMAROSA.—Market remains very slack. Spot is easier at 6s. 9d. per lb., with shipment quoted about 6s. per lb., c.i.f.

PATCHOULI.—Some limited business, with prices holding up. Spot, about 7s. 2d.; shipment, 6s. 6d. per lb., c.i.f.

PEPPERMINT.—Business this week has been poor and prices continued to weaken, but later the shipment market was steadier, with some slight recovery in prices quoted. Japanese, spot, 3s. 5d.; shipment, October-December, about 2s. 4½d.; and January-March, about 2s. 4½d. per lb., c.i.f. Some fair business in the American natural oil is reported, with the quotation tending to advance from 2 dollars 50 cents per lb., in drums, c.i.f.

PETITGRAIN.—Supplies available on spot are now very limited and holders' prices tend to be again dearer at from 4s. 11d. and upwards per lb. Shipment is nominal, with nothing offering up to the end of the year.

ROSEMARY.—Some occasional inquiry; spot about steady. Spanish, finest quality, from 1s. 6d. to 1s. 8d. per lb. French, about 3s. 7d. to 3s. 8d. per lb.

SANDALWOOD.—Rather more inquiry reported. Genuine Mysore East Indian, from first hands, 20s. per lb. English-made West Indian, cwt. lots, 6s. 9d.; 50 lb., 6s. 10½d.; 14 lb., 7s. per lb. Australian B.P., 15s. 3d. per lb. in cases.

SASSAPRAS.—Market prices vary as to quality, business light. Quoted on spot from 3s. 4d. to 5s. per lb., with artificial oil at cheaper prices.

SPEARMINT.—The spot market is dull and rather easy as quoted at 6s. 9d. per lb.; shipment is nominal under present exchange conditions.

SPIKE.—Spanish oil on spot is quoted from 4s. 4d. to 4s. 7d. per lb., while shipment prices for finest-quality work out at fully 4s. 8d. per lb., landed. Market remains quiet.

VETIVERT.—The position shows little change on the week, with Bourbon on spot at about 27s. per lb., in small parcels. The spot price is also about 27s. per lb., c.i.f., with very few offers.

WINTERGREEN.—Some few small spot orders, with dealers quoting about 6s. 3d. to 6s. 6d. per lb., as to quantity.

WORMSEED.—Spot is quoted in the region of 10s. 6d. per lb. and possibly something less. Shipment is nominal at about 8s. 9d. per lb., c.i.f.

The following are current quotations for synthetics, etc.: Acetophenone, 6s. to 6s. 4d. per lb.; amyl acetate, pure, 122s. 6d. per cwt., technical, 107s. 6d.; amyl salicylate, 2s. 3d. per lb. for cwt. lots up to 2s. 9d.; aubepien, ex para cresol, 8s. 3d. to 8s. 9d. per lb.; benzaldehyde, f.f.c., 2s. 1d. to 2s. 6d. per lb.; benzyl acetate, f.f.c., 1s. 6d. to 1s. 10d. per lb.; benzyl alcohol, cheaper; cwt. lots, 1s. 8d. up to 2s. 3d. per lb. for small lots; bromstyrol, 100 per cent., 11s. 3d. to 11s. 6d. per lb.; butyric acid, 3s. 3d. to 3s. 6d. per lb.; citral, chemically pure, 8s. to 8s. 6d. per lb.; coumarin, 13s. to 14s. per lb.; ethyl phthalate is steady at 2s. 3d. to 2s. 6d. per lb.; eugenol, 7s. 6d. to 8s. per lb.; geraniol, ex palmarosa, 16s. to 18s. per lb.; heliotropin, 100 per cent. crystals, 4s. 11d. in cwt. lots up to 6s. per lb., as to quantity; iso eugenol, 9s. 6d. to 10s. per lb.; methyl anthranilate is dearer at 7s. 3d. to 7s. 9d. per lb.; mirbane is quoted at 7d. to 8d. per lb.; musk; ketone, 33s.; ambrette, 30s.; xylol, 8s. per lb., with bonus for quantities, some outside offers may be slightly cheaper; phenyl ethyl alcohol, 8s. 6d. to 9s. per lb.; saffrol is fairly steady at 1s. 3d. to 1s. 8d. per lb.; terpineol, 1s. 4d. for ton lots up to 1s. 9d. per lb. for small parcels.

London Drug Auction

Commercial Sale Rooms,
Mincing Lane, E.C.3,
November 23.

AT THE DRUG AUCTIONS held to-day nine catalogues containing about average quantities were submitted, the offerings covering the usual range of commodities. As was generally anticipated, on account of the various disturbing elements at present affecting the commodity markets, the demand throughout was restricted, only "hand-to-mouth" buying taking place. Rhubarb was firmly held at full rates, and although nothing was sold "under the hammer" a fair business is reported privately. Benzoin, Sumatra, was steady. Dragons Blood was in ample supply, several fine parcels being catalogued, but no sales were effected. Buchu was generally quiet and the only sales made were "without reserve"; although a fair supply was available, the qualities on offer mainly consisted of ordinary green to yellow leaves, with very few bales of really fine green leaves for disposal. Senna was quiet, both for Alexandrian and Tinnevely. Ipecacuanha was neglected. Chamomile flowers were very firmly held and met with a good demand at full rates.

AGAR.—Two lots were on offer. Yokohama of fair colour being withdrawn after a bid of 1s. 4d. per lb. being made. Kobe off No. 1 was sold at 1s. 7d. per lb.

ALOES.—Cape; 18 cases were catalogued, of which six cases had been sold prior to the auction, the balance being retired at previous rates. Curaçao: 108 cases were available at prices ranging from 80s. for fairly good liver, down to 60s. per cwt. for coarse dark, "in bond." Zanzibar, 3 cases, good liver in leaves, retired at 65s., and 7 cases, in skins, at 70s. per cwt.

ANNATTO SEED.—Some new arrivals were for disposal and 40 bags of Brazilian, of fair colour, were withdrawn at 3d. per lb. "in bond." A lot of 26 bags Madras, part sea-damaged, was held from 3½d. for the sound portion.

ASAFOETIDA.—A parcel of 5 cases of fair almondy block, part pinky, was bought in at 90s. per cwt.

BALSAM.—12 cases of *Tolu* were offered, the price indicated being 2s. 3d. per lb. "in bond."

BENZONIN.—Sumatra: a fair selection was available. Fine almondy block was held for £7 7s. 6d.; fair seconds, £6 10s.; middling seconds, £6; barky thirds, £5 to £5 10s. per cwt. A fair business is reported privately. Siam was in fair selection: fine bold almonds, of good aroma, retired at £31; medium ditto at £28; small almonds, £22 to £25; grains at £18 10s. Palembang: there were no supplies on offer.

BUCHU.—Quiet, and although very little was sold in auction, there is a fair jobbing business passing privately. A parcel of 3 bales, of very yellow rounds, was sold "without reserve" at 7½d. per lb. Better qualities were withdrawn at from 9d. to 11d. per lb. Fair green ovals retired at 9d. per lb.

CALUMBA.—Fully maintained, there being an absence of natural root. In auction a parcel of twenty bags fair washed was available at 30s. per cwt., at which figure a fair business is being done privately.

CANTHARIDES.—A parcel of 6 cases of good Chinese flies was held for 4s. 6d. per lb.

CARDAMOMS.—There was nothing of interest in auction, but privately the market is very firm and supplies are exceedingly short.

CASCARILLA BARK.—A parcel of 5 bags, good stringy quill being withdrawn at 2s. 3d. and fair siftings at 1s. 9d. per lb.

CHAMOMILE FLOWERS.—12 bales offered, and 4 bales sold, fair white, at 265s. per cwt. The market privately is very firm, and supplies are very moderate.

COLOCYNTH.—The offerings consisted almost entirely of brownish and dark pulp, varying in price from 7d. down to 4d. per lb.

CROTON SEED.—57 bags of good quality was retired at 70s. per cwt. A small lot, consisting of 5 tins of B.P. oil, was also included in the catalogue.

CUTTLE FISH-BONE.—Several small parcels were available; fair to good bold sorts, at 8d. to 9d. and medium at 6d. per lb.

DERRIS ROOT.—In all 28 bales were for disposal at 8d. per lb.

DRAGONS BLOOD.—In ample supply and a fair selection offered. Although no business transpired full prices were wanted, especially for the fine reboiled Singapore lump.

ELEMI.—There was a lot of 7 cases of fair No. 1 white, which retired at 6½s. 6d. per cwt.

EUCALYPTUS OIL.—A lot of four drums, B.P., testing 71 per cent, eucalyptol, by Messrs. Salamon & Seaber, was offered at 3½d. per lb. without response.

GAMBOGE.—Fairly steady, and in auction only 10 cases were for disposal. Fair to good Siam pipe £14 to £15 was wanted.

GUAIACUM.—A fair selection offered and a parcel of 5 bags of middling blocky was sold at 1s. 2d. "in bond." Fine glassy block retired at 1s. 8d. to 1s. 10d. and a parcel of purified gum was available at 2s. per lb. duty paid.

GUM ACACIA.—There is no change to report in this market, a steady business passing both for spot and shipment in the usual Kordofan sorts at unchanged prices. In auction a parcel of 4 bags of fair bleached was sold at 65s. per cwt.

HENNA.—Two lots were for disposal. 9 bales of fair leaves were offered at 27s. 6d. per cwt. and 5 cases of powder were retired at 40s. per cwt.

HONEY.—Like most commodities, has been very quiet, but prices have kept fairly steady. At auction 24 barrels Jamaica sold cheaply "without reserve"; set amber at 38s. and dark amber at 37s. 6d. per cwt. Apart from this most of the holdings were withdrawn at previous market rates.

IPECACUANHA.—Neglected; prices offered included the following: Matto Grosso, 4s. 6d., and Minas, 3s. 9d. to 4s. per lb.

KAMALA.—A parcel testing 5 per cent. ash by a well-known analyst was available at 11d., at which figure sales are reported privately.

LOBELIA HERB.—Quite a good market and prices are well maintained. A new arrival of 7 bales, of fair herb, was retired at 2s. per lb., duty paid.

MYRRH.—Steady but quiet. For good Aden sorts £6 10s. per cwt. "in bond." Roughish sorts, very dusty, was available at 80s., and ordinary pickings at 50s. per cwt. "in bond."

NUX VOMICA.—One hundred and five bags of fair bold Aleppy was held for 15s. per cwt.

ORANGE PEEL.—In small supply, thin cut Tripoli being particularly scarce. Three cases, rather dark thin-cut were withdrawn at 1s. 10d. per lb.; 8 bags, quarters, were limited at 37s. 6d. per cwt.; and 6 bags, good bright ringlets, at 9d. per lb.

RHUBARB.—A good selection was on offer, but no progress was made in auction. We understand that since the auction there has been fair interest displayed in the better grades of Shensi.

SARSAPARILLA.—Sixteen serons of Honduras were on offer at from 1s. 8d. to 1s. 10d. per lb. "in bond." 9 bales of grey Jamaica retired at 1s. 6d. per lb. "in bond," and 14 bales of native, mixed colours, at 11d. to 1s. per lb.

SENNA.—Both Alexandrian and Tinnevely were in fair supply at last prices. Privately a very good business is passing in the better grades of Tinnevely leaves.

SQUILLS.—Dearer and 20 bags of fair colour retired at 35s. per cwt.

STROPHANTHUS SEED.—Eleven bags of 100 per cent. Kombé were held for 4s. 7d. per lb., at which price business is passing privately.

TRAGACANTH.—A lot of 6 cases, of fair pale thin flake seconds, was held for £22 10s. per cwt. duty paid.

TURMERIC.—143 bags were on offer, comprising Cochín split bulbs at 16s. to 17s. and Madras finger at 22s. per cwt.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1933, p. 329.

(From "The Trade Marks Journal," November 15, 1933)

"SAGRADOL"; for a preparation of petroleum and cascara sagrada (3). By The Angier Chemical Co., Ltd., 86 Clerkenwell Road, London, E.C.1. 544,160.

"MEDI-CHEM"; for medicinal chemicals (3) and for perfumery, etc. (48). By Brooke, Bond & Co., Ltd., Calcutta House, Goulston Street, Aldgate, London, E.1. 545,300/301. (Associated.)

"RHUSAL SALTS" with design incorporating boxer; for medicated preparations of mineral salts. By H. Gregory, 205 Broadway, Newmarket, Auckland, S.E.1, New Zealand. 541,394.

"BUCKFAST"; for medicated wines (3). By The Lord Abbot and Monks of the Order of St. Benedict, St. Mary's Abbey, Buckfast, S. Devon. 542,774.

"DOLOGRIET"; for all goods (3). By P. J. Doll, 305 Bahnhofstrasse, Kruft, Bezirk Koblenz, Germany. 545,142.

"ACTITONE"; for metal containers for toilet creams, etc. (13). By A. B. Curtis, 6 Ludgate Circus Buildings, London, E.C.4. 545,238. (Associated.)

"SUNDALE"; for mineral waters, etc. (44). By J. Robertson & Son, 44 Tait's Lane, Dundee. 544,660.

"ROSCATEL"; for mineral waters, etc. (44). By W. A. Ross & Sons, Ltd., 17 William Street South, Belfast. 545,213.

"LUX TOILET SOAP" with wrapper design of girl holding cake of soap; for perfumed soap for sale abroad (48). By Lever Brothers, Ltd., Port Sunlight, Cheshire. 544,382. (Associated.)

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Do Local Associations Care?

SIR,—Xrayser appears to dislike my optimism, but all I desired to see created was a new strength and greater influence of local associations which could be brought to bear upon the Council of the Pharmaceutical Society with the object of pressing forward a definite policy of pharmaceutical reform. Under the changed conditions consequent upon the passing of the Pharmacy and Poisons Act, I questioned whether the National Pharmaceutical Union would not be the more effective body for this purpose rather than the Society's local branches. What Xrayser means by political stunts I hardly know; but the activities of the N.P.U. surely need not be restricted to what he feels it is only fitted for. It matters not through what body the interest of the craft is awakened, so long as it is awakened; and Xrayser rightly anticipates the need when he mentions special propaganda and defensive purposes.—Yours, etc.,

FRANK E. S. CLARKE.

Newport.

Free Gifts

SIR,—I wonder what my brother pharmacists think of the latest free gift scheme? With the near approach of Christmas I, and probably hundreds of other chemists, had visions of selling at least a few handkerchief puffs; but how can we when they are given away. This is the worst possible time of the year to push another "stunt" upon us . . . Tobacco manufacturers are ceasing their gift schemes, and now is the time for every chemist in the country (and other traders as well) to rally round and make a united effort to stamp out one of the biggest evils of modern times. Let 1934 be a "No Free Gifts" year, and our turnover of products that sell on their merits will look after itself.—Yours, etc.,

W. J. BURROWS, M.P.S.

Redcar, Yorks.

The Late Mr. H. Hutton, Ph.C.

SIR,—I feel that it is due to the late Harry Hutton, Ph.C., who passed away at Minehead on November 9, that we Warwickshire chemists should express our gratitude and appreciation of the services so ungrudgingly and faithfully rendered to us, both during his fifteen years' chairmanship of the Pharmaceutical Committee and during his equally long service as president both of the local and county pharmaceutical associations. As secretary of these bodies I was much assisted in my work by his advice and support, and I am sure every member of the Pharmaceutical Committee, and of the two Associations, will miss him and his masterly control of our meetings and discussions. We shall also feel greatly the loss of his colleague, the late Henry Lester of Nuneaton, who was associated with Mr. Hutton as vice-chairman of the Pharmaceutical Committee and vice-president of the County Branch of the Pharmaceutical Society. It is strange that these two great examples of true fraternity and leadership should have passed away the same week and almost within a day of each other. We regret them and our sympathy goes out to those who mourn, but we are grateful they were, both of them, spared for so many years to be an example to us all.—Yours faithfully,

CHARLES DAVIS.

Leamington Spa.

Shop and House

SIR,—The letter from "Provincial" on the subject of "Shop and House" (*C. & D.*, November 11, p. 598) raises some points of social as well as economic interest. From the purely business point of view the chemist ought to live on his shop premises. Only by being always on the spot can he reap the full benefit of his

position as a supplier of medical and surgical requisites. Why, then, do so many chemists prefer to live away from their pharmacies? The reason is, I think, to be found in the changing social habits of the age. The revolt against the squalor and dreariness of the industrial town, and the widespread cult of gardening, for example, are potent factors in increasing the number of lock-up shops. So far as chemists are concerned the economic aspect of the problem does not appear to worry them greatly. If the pharmacy is situated in a country town, or in a pleasant suburb of a great city, the proprietor as a rule lives on the premises; if it is located in an unhealthy or congested district, he lives away. It may be that the decline of business may yet force many chemists, who hitherto have kept two sets of premises, to combine house and shop; but such a step would mean a definite retrogression in the amenities of living, not least of which is a little daily exercise and change of scene.

Yours faithfully,

LOCK-UP (14/11).

SIR,—It is undoubtedly true, as "Provincial" remarks, that more chemists are living away from their shops than ever before. It may be that they are able better to afford to do so than in pre-war times; but I rather tend to the opinion that the increasing noise in the main streets of our cities, towns and even villages has a lot to do with the growing custom. Again, living away from business premises a chemist has a chance to cultivate a garden, which is very often not his when he lives over the shop. Unless he lives some distance away from his shop he is not safe from the visits of his customers. I lived a few years ago some three hundred yards or so away from my pharmacy, and had sometimes half-a-dozen calls on a Sunday out of hours, as well as occasionally in the night. From observation I believe the man who does live on the premises gets a good deal of business that his neighbour who lives away misses. I agree, too, that on quiet days an extra half-hour can be spent over a meal, to say nothing of an occasional visit indoors. I recall the cosy tea hour in the room behind the shop where I was apprenticed. One of us, it is true, had to go into the shop to answer the door bell, but what of that. The "boss" one winter started to read one of Dickens's works after tea, and continued his series of readings till the book was finished. If "Provincial" can find the house and shop he wants, I strongly advise him to take it and move in.

Yours, etc.,

COUNTRY CHEMIST (14/11).

N.H.I. Prescriptions Marked "Urgent"

SIR,—With reference to the article on "urgent" prescriptions (*C. & D.*, October 28, p. 535), it is noteworthy that the writer in "The Lancet" does not refer to certain services which the insurance practitioner is required to render. Your correspondent "T. S." (November 4, p. 571) reminds us that the doctor's contract of service contains a clause requiring him to supply personally to an insured person "such drugs and appliances as are required for immediate administration or application or for use before a supply can conveniently be obtained otherwise under the Regulations." The matter goes further than that, however, for provision is also made for a payment to be made to every practitioner to cover the supply of such "urgent" drugs and appliances at the rate of 1s. 3d. per annum for every 100 insured persons on his list. At an earlier stage that payment was designed to cover the value of certain other drugs supplied personally by the practitioner; but at the present date the payment is limited to cover the supply of "emergency" medicines only. In London this payment to doctors must amount roughly to about £1,200 on the basis of 2,000,000 insured

persons. One might ask the "Lancet" correspondent what the practitioners collectively in the country give to insured persons in return. It must be very little if every practitioner shares his expectation that all "after hours" urgent prescriptions should be made up by a chemist.—Yours, etc.,

OFF DUTY (15/11).

From the Other Side

SIR,—The Incorporated Society of Pharmacy and Drug Store Proprietors of Great Britain, Ltd., is an imposing and high-sounding title, but if the membership only consists of 9 per cent. of the unqualified drug-store proprietors in the country, as stated in the secretary's report (*C. & D.*, November 11, p. 592) I should not think it carries much weight. At the same time, its views on the Pharmacy and Poisons Act are interesting, especially as some of the conclusions and predictions are very similar to those expressed by many qualified chemists, although they are from the opposite side of the question. The forecast that the full statutory fees will be imposed in a year or two is merely expressing the fears of registered chemists. Next there is the restriction of the place-name "pharmacy" to the premises of pharmacists; this is a measure which has long been overdue. But as regards other nomenclature, chemists are afraid that the unqualified proprietor will not have any real difficulty in steering clear of any action; whether the courts will decide that such names as "drug stores" and "suppliers of chemists' goods" will be a breach of the Act can only be proved by test cases. It may be noted that the Privy Council has been approached by these traders to allow them time to prepare new signs and labels. And there is the Poisons Schedule; here again the misgivings of chemists are put into words in reference to the new lists. We find the drug-store proprietors confidently expecting that all proprietary articles containing poisons will be in the second part, together with drugs in common use, such as paregoric, camphorated oil, tincture of iodine, etc. With regard to proprietaries it is not to be expected that the manufacturers will desire to see their channels of distribution restricted, so that their influence may be thrown into the scale to get these articles put into Part 2. Why belladonna plasters and depilatories should not be classed as poisons I cannot think; is an article any less a poison because its proper use is not internal?—Yours truly,

AUTOMAT (21/11).

The Safeguarding of Pharmacy

SIR,—As one of those present at the recent meeting of chemists in Liverpool (*C. & D.*, November 4, p. 555) who was not a proprietor pharmacist, I did not take part in the discussion, and hope to be excused for making known my views with reference to the suggestions so ably put forward. The estimated expense of advertising our legitimate claims for public patronage will, I fear, be found altogether insufficient to counteract the appeals of multiple-shop companies, whose financial position permits an almost unlimited outlay for advertising; and is it not undignified for professional men to utilise the Press in this way, as if they were ordinary traders? Would it not be better to endeavour to prevail on all practising pharmacists to confine their advertising to their establishments, and to exercise every available method in so doing, such as scientifically arranged window displays, the distribution of well-worded circulars, and the adoption of distinctive day-and-night signs? So long as we can rely on the assistance of the N.P.U. and the P.A.T.A. there should be no need for aggressiveness. Let us stand firmly together and freely exchange views; this can best be done through the medium of our local associations and, if possible, the formation of central pharmacy clubs in every city. I doubt the wisdom of approaching the wholesalers with a view to their adoption of a distinctive brand for goods supplied to chemists.—Yours faithfully,

PROGRESS (22/11).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

M. B. (1/80).—NAIL VARNISH.—It is possible that the nitrocellulose may be responsible for the discoloration of your nail varnish, but owing to the number of factors involved it is difficult to determine the cause, since the inclusion of xylene may also play a certain part. As a solvent a mixture of equal parts of acetone and amyl acetate might be tried, with the addition of a small amount of pure natural camphor. The latter assists in keeping the colour of the varnish. Further, the addition of a small amount of sandarac also acts as a protective. It should be noted that all old varnish should be removed from the nail before renewing the application. Further, when the varnished nails come into contact with soap, this also tends to produce discoloration.

W. T. (25/9).—FRENCH POLISH.—The proper analysis of such preparations presents great difficulty, and the results are often uncertain. The sample has a specific gravity of 0.893, yields 30.5 per cent. of total solids on drying down on the water bath, and 0.27 per cent. ash. Specific tests indicate that the resinous body is mainly shellac dissolved in spirit. It is probable that sandarac and/or other resins are also present.

H. S. (15/88).—ACRIFLAVINE OINTMENT.—This is chiefly used as a preventive of infection. It may be prepared as follows:—

Lanolin	..	..	..	..	5.0
Acridine	..	..	..	..	0.1
Soft paraffin	..	..	..	..	12.5
White wax	..	..	..	..	12.5
Almond oil	..	..	..	..	45.0
Water	..	..	..	..	25.0

The ointment should not be exposed to the light as it tends to darken round the edges.

F. H. K. (14/50).—CAMPHORATED OIL.—O. Raubenheimer suggested in 1913 the following method of ensuring a bright preparation:—A narrow percolator is packed at the lower end with a layer of absorbent cotton. A few inches above this a perforated metal plate is placed. The camphor in powder is packed above this, and the quantity of oil is added. As soon as it commences to percolate, the lower orifice is closed, and maceration performed for twelve hours. Percolation is then concluded.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," November 15, 1883

Edinburgh Chemists', Assistants' and Apprentices' Association

This Association began the work of its sixth session . . . with an inaugural address by Mr. Claude F. Henry, who took for his text Professor Atfield's address at Southport, and the comments of the Press thereon. . . . After a short interval for conversation Mr. Robertson gave notice of a motion for the institution of a ball instead of the supper which the Association have been in the habit of indulging in annually. Mr. Peter MacEwan [afterwards Editor of THE CHEMIST AND DRUGGIST] followed with a paper on Ol. Rusci, in the course of which he stated that many pharmacists have been supplied with the wrong article. . . . Mr. John R. Hill read an amusing description of a toxic dose of Cannabis Indica, which tickled the audience very much. The secretary thereafter submitted a report of a proposed competitive examination in pharmacy for apprentices, instituted at the suggestion of William Ainslie, Esq., who offers an annual donation of one guinea for a book prize; Mr. William Aitken offering a book prize (value half-a-guinea) to the candidate who is next in order of merit. . . .

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Glycerine, Honey & Lemon Balsam	6 oz. 9/6 per dozen	Glycerine, Honey & Lemon Candy	- 1/2 per lb.

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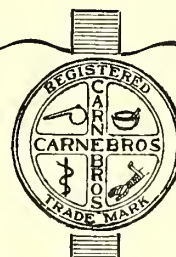
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**WE HAVE SATISFIED AND SERVED THE BRITISH PHARMACIST
AND ARE STILL GOING STRONG**

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Brand ANALGESIC TABLETS

A combination of analgesics and anti-pyretics for the relief of common painful conditions. Prompt in action, safe, convenient to take, contains no scheduled poisons.

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Tubes of 10 Tablets in cartons of 1 doz., 10/-
Retail Price. 1/- per tube P.A.T.A.

Bottles of 200 Tablets 10/- per bottle
less usual trade discounts.

An entirely new product

made in England by

**THE HOFFMANN - LA ROCHE
CHEMICAL WORKS LTD.**

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BRAND

Dania Brand Sulphur Candles are made with the finest Sulphur and are free from Arsenic and Selenium. They light easily and burn safely and freely. Quotation will be sent on receipt of trade enquiry for any quantity, large or small.

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CANDLES***Made in two sizes, nominal $\frac{1}{2}$ lb. and 1 lb.***RICHARD DANIEL & SON, LIMITED**

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(Shipped by W. K. BURNSIDE PTY., LTD., 34/36 JEFFCOTT STREET, MELBOURNE)

ALL B.P. GRADES

70/75% B.P.
A specially rectified Oil of
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Packed in Cases and Drums

80/85% B.P.
Distilled from E. POLYBRACHTEA
The finest B.P. Oil obtainable
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AGENTS FOR U.K.

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There is a growing demand among critical people for a natural treatment for constipation • This demand stimulated by our educational advertising has exceeded expectations • In 3 months only, Trade "Repeat" business has increased by 823%! • The Herbaras treatment is the emollient action of seeds of a selected plantago type • It is being increasingly prescribed and recommended by the Medical and Nursing professions. • THE GOODWILL OF EVERY LOCAL ORDER IS HANDED OVER TO THE LOCAL CHEMIST.

**P.A.T.A.
TERMS**

1/9 ($\frac{1}{2}$ lb. packet) - 15/9 per doz.
3/- ($\frac{1}{2}$ lb. ") - 27/- " "
5/- (1 lb. ") - 45/- " "
9/6 (2 lb. ") - 85/6 " "

All orders over £1 NETT sent Carriage Paid.

Counter or Window Display Terms on application.

JOHN W. LONGMAN LTD.Overseas Produce
Merchants & Importers**C.D. CLYDE HOUSE,**
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issued under the following Trade Marks or Brands in Original Packings as under:

'COMPRAL'

gr. $7\frac{1}{2}$ (0.5g.) tablets in tubes of 10 and bottles of 50 and 250.

'ADALIN'

Cartons, $\frac{1}{2}$ -1 oz. Tablets, gr. 5, bottles of 25 and 100; gr. $7\frac{1}{2}$, tubes of 10.

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Bottles of $\frac{1}{2}$ -1 oz. Tablets, gr. 5, bottles of 25, 100 and 500.

'ELITYRAN'

gr. $\frac{2}{3}$ (0.025g.) in tubes of 30, and bottles of 250.

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gr. 3 tablets, tubes of 10 and bottles of 50 and 250.

'PYRAMIDON'

The Original Product.
Cartons, $\frac{1}{2}$ -1 oz. Tablets, gr. $1\frac{1}{2}$ and 5.

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Tablets in tubes of 20 and bottles of 50 and 250.

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The Original Product.
Cartons and bottles of $\frac{1}{2}$ -1 oz. Tablets, gr. $\frac{1}{4}$ to 5.

'LACARNOL'

In drop bottles of 20 c.c. and 125 c.c. Boxes of 5 - 10 c.c. ampoules.

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CREAM OF MAGNESIA

(MIST. MAGNES. HYDROX. B.P. U.S.P.)

An Antacid Emulsion in almost perfect suspension produced by the "Pattinson" method and therefore free from Alkali and Salts. Packed for the Wholesale Trade. Write for 12-oz. free sample bottle to the Sole Manufacturers:

THE WASHINGTON CHEMICAL CO.

BRANCH OF TURNER & NEWALL, LTD.

WASHINGTON STN., CO. DURHAM



WE do not supply "packed goods" but specialise in bulk supplies for Wholesale packers and chemists who pack their own specialities, and invite enquiries for such lines as

Raspberry Vinegar
Shampoos
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with Agar Agar
Etc., etc., etc.

Samples upon application.

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LIMITED,

Wholesale and Export Druggists,
Gadsby Works - - STOCKPORT

ESTABLISHED 1786.

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NEW PRODUCTS

now being advertised to
the Medical Profession

		Retail	Wholesale per dozen
BIOMUCINE	- - Box of 24 Cachets	7/6	68/-
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Your co-operation in promptly obtaining
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**STOCKED
FOR BETTER BUSINESS
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Retailers of Box's Indigestion Pills
soon learn that the line is a steady
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because they cannot obtain supplies
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TESTOGAN and **THELYGAN** tablets and ampoules
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PANCRESALETs in the treatment of Diabetes Mellitus

Literature and further information on application.

BE SURE YOU STOCK

Sir NYNES

popular

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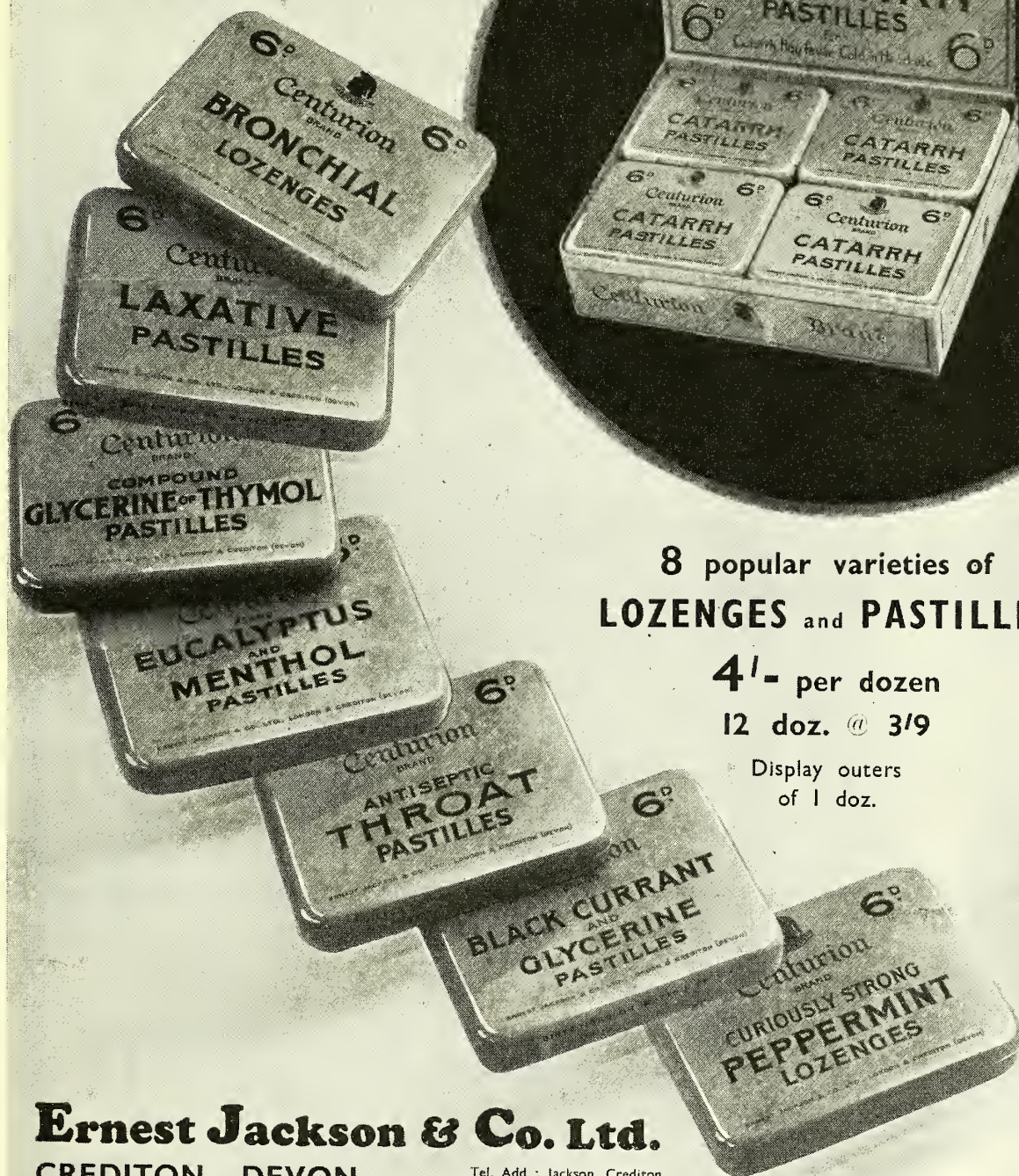
3^d & 6^d airtight tins or 2^d per oz.

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6^d Centurion SERIES



8 popular varieties of
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4/- per dozen

12 doz. @ **3/9**

Display outers
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**NOW, its wider use
means they will prescribe
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As medical science advances, Argyrol is used increasingly by Hospitals and Physicians to combat the virulent and obstinate strains of micro-organisms which are found to invade the delicate mucous membranes. The Medical Profession is now being reminded by literature and specialised advertising in the principal Medical Journals that Argyrol is an original product, unique in composition and therapeutic effectiveness. Be sure that you have genuine Argyrol brand Silver Vitellin available for prescriptions.

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**SILVER
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7/6 per oz. c.f.

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'CUTTERS'

'CUTTERS'

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FROM YOUR WHOLESALE, OR SEND DIRECT TO PERRY'S POWDERS, LTD., LEEDS



JONES *for*

METHYLATED SPIRIT

ALL STRENGTHS IN STOCK
PROMPT DELIVERIES IN CASKS,
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Intestinal Laxative

RETAIL PRICE 3/-

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LONDON, S.W.1*Bleached
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BRAND

WORLD-FAMED BLOOD PURIFYING MEDICINE

'BLOOD MIXTURE'

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Brand

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FOR SALE IN GREAT BRITAIN

(BY CHEMISTS ONLY)

	Retail	3 doz. Cases	12 doz. Cases
'Clarkes' 'Blood Mixture'	3/-	£4/1/-	£15/6/-

BRAND
(LIQUID OR TABLETS)

NET. CARRIAGE PAID. PACKING FREE

ASSORTED ORDERS

	Retail	Min. value £4/1/0	Min. value £15/6/0
'Clarkes' 'Blood Mixture'	3/-	27/-	25/6
BRAND			
" " " " " " " "	12/-	108/-	102/-
" " " " " " " "	3/-	27/-	25/6
'Clarkes' Skin Lotion	- 1/3	11/6	10/6
BRAND			
'Clarkes' Salve	- 1/3	11/6	10/6
BRAND			
" " " " " " " "	- 3/-	27/-	25/6
" " " " " " " "	- 5/-	45/-	41/6
'Clarkes' Aperient Pills	- 1/3	11/6	10/6
BRAND			
" " " " " " " "	- 3/-	27/-	25/6
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Orders may be assorted as desired at above rates, provided the minimum values reach £4/1/- or £15/6/- respectively.

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**Order Your Supplies NOW, either Direct
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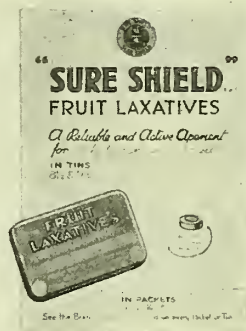
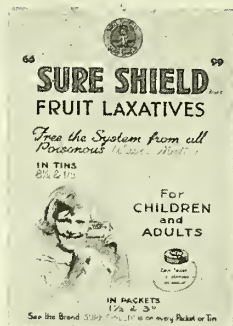
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FRUIT
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**The
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"Lung Tonic"**

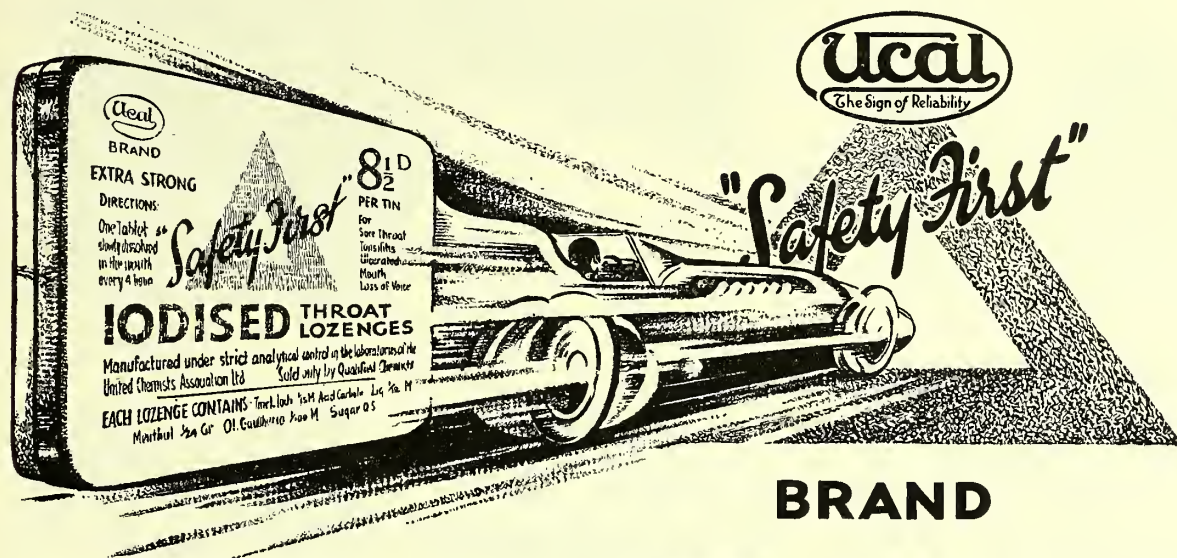
and the favourite family
remedy for Coughs and Colds.

A BEST SELLER ALL THE WINTER

PRICE PROTECTED AT FACE VALUE

W. T. OWBRIDGE, LTD., The Laboratory, HULL.

A POSITIVE WINNER!



BRAND IODISED THROAT LOZENGES

LEAD THE WAY FOR QUICK SALES
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Order now!

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Costs . . **4/6 doz.**

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Costs . . **7/6 doz.**

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FINEST QUALITY
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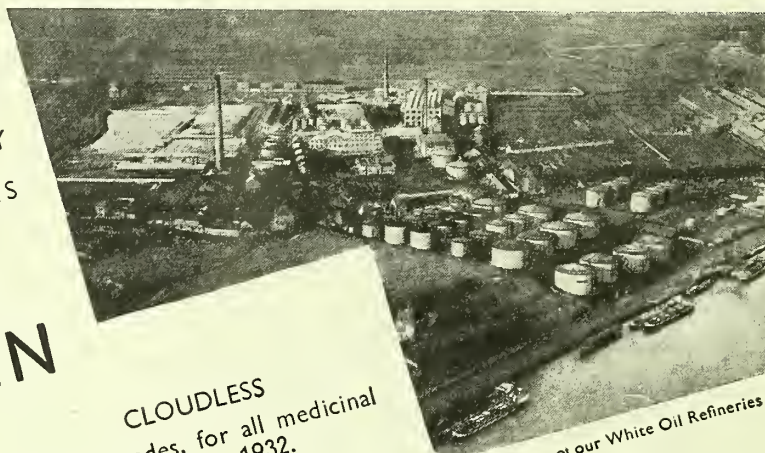
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80 BISHOPSGATE

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Petroleum Jelly

"SALVO PETROLIA" BRAND

The Perfection of Petroleum Jelly

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SMALLER PACKAGES IF DESIRED

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the unfailing cure for Eczema

ERGOPIOL

(Smith)

Protective Mark
Patented in U. S. and
Foreign Countries

Ergoapiol (Smith) is identified by the letters "M. H. S." raised in the gelatin on the inside of each capsule—thus



Capsule cut in half thru the seam, showing initials.



Capsule intact, showing no mark objectionable to the physician.

[Ergoapiol (Smith) is to be had only in packages of twenty capsules each—never supplied in bulk or other form.]

MARTIN H. SMITH CO., New York, N. Y., U. S. A.

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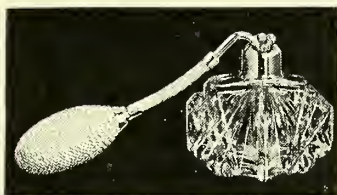
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1/3 Size
11/6 per dozen net
3/- Size
27/6 per dozen net

Carriage Paid Gross Quantities
or equivalent.

Manufactured only by

J. F. WHITE & CO., Chemists
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HV-132 Crystal Cut Chromium
66/- per dozen



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Gold or Nickel according to colours
30/- per dozen



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60/- per dozen

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PERFUME SPRAYS

In these days beauty is too often sacrificed to efficiency—and vice-versa. DeVilbiss Perfume Sprays combine the two in their own refreshing way. In colour, design and finish they delight the critic's eye; in efficiency and reliability they win the heart of the 'practical-minded.' This Christmas they will be selling in greater profusion than ever—and your profit will be as generous as ever.

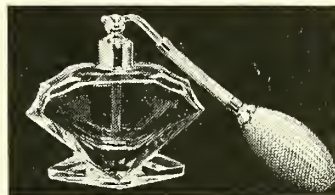
AEROGRAPH CO. LTD.

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Sole distributors in the United Kingdom



AH-5 Crystal Cut Nickel
26/- per dozen



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72/- per dozen

HV-153 Rosalind Chromium
78/- per dozen



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Silk Tassel. 78/- per dozen

CVS-69

SALES GO ON INCREASING!

Chemists who stock Snowfire Glycerine Jelly know that they're stocking a real best seller. Women everywhere have taken to Snowfire Glycerine Jelly with great enthusiasm. They have found there's nothing to equal it for keeping their hands soft and white and to banish all traces of the ravages of housework. They recommend it to their friends and sales go on increasing. Make special displays and reap your share of the demand.

Snowfire
GLYCERINE JELLY (Vanishing)

SNOWFIRE TABLET AND SOFT SNOWFIRE

are always sure of a brisk demand for use at night.
Made by **F. W. Hampshire & Co. Ltd**
Sunnydale Works, Derby.

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Paraffinum Liquidum

B.P.
ALL GRADES
SAMPLES & PRICES

On application to —

STERNS LTD

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**Advertised goods
yield quick
profits**

FAIRY DYES

are big sellers—always in popular demand. They mean quick turnover and liberal profits. Fairy Dyes are forging steadily ahead and you should periodically inspect your stocks.

Retailed at 2d. per tube—attractively packed. 31 shades and colours.

Be wise—stock

LONDON DEPOT:
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Fairy Dyes

FAIRY DYES, LTD., GLASGOW, N.W.

*You will be
asked for*

HONICOSE
THE PERFECT FOOD

Honicose is a carefully blended preparation of Glucose and Honey (or Malt) and as it is a perfectly balanced food and most palatable, is a marked advance over all other Glucose preparations.

It has been most favourably commented upon by the Medical Profession and is being prescribed by doctors everywhere.

A comprehensive press advertising scheme is now being launched and to enable you to reap the benefit, we have prepared a display showcard for your use which will be gladly sent on request, together with literature.

GLUCOSE
LIFES
VITAL
FORCE

HONICOSE PRODUCTS
(SALES) LTD.

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LOSALL'S SALT

Sells freely and readily. **PAYS 50% ON OUTLAY**
An infallible remedy for

**GOUT,
RHEUMATISM,
ECZEMA
and SKIN
AFFECTIONS.**

P.A.T.A.

4 oz. tins 1/-

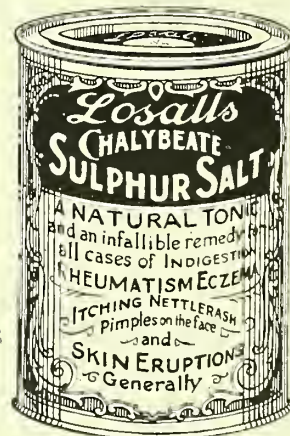
8/- doz. net

8 oz. tins 1/9

14/- doz. net

Bottles 2/-

16/- doz. net



Attractive advertising matter supplied on application
SOLD EVERYWHERE

Manufactured by
LOFTHOUSE & SALTMER, Ltd.
HULL

VICHY-CÉLESTINS

The world renowned NATURAL Mineral Water.

(And the other State Springs of Vichy)

We beg to remind the Trade that the above are on the P.A.T.A. list and show a good return to retailers.



These waters are largely prescribed by Physicians, and Chemists would do well to have an ample stock on hand.

Pamphlets, Show Cards and Dummy Bottles forwarded on application.

CAUTION—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ÉTAT" and the name of the

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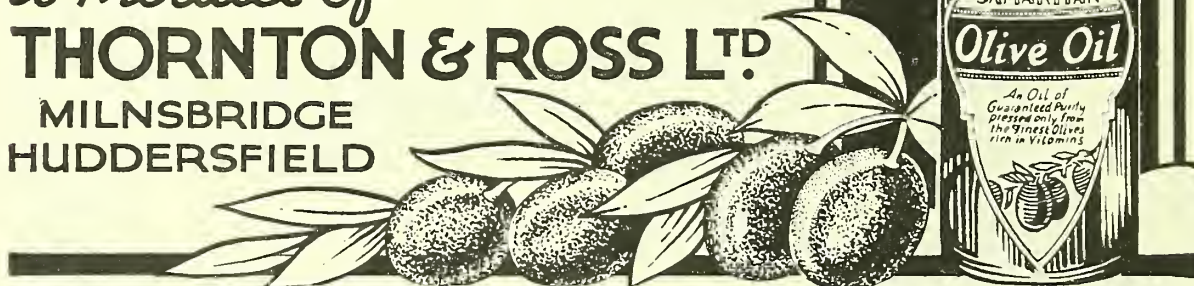
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In its attractive packing "Samaritan" Olive Oil has the appearance of bottled sunshine—and in truth this is an apt description. All the goodness of olives ripened in sunny Spain is in this oil, giving it a delicate flavour and lasting sweetness unexcelled by any other brand. The first sale is sufficient to ensure repeat orders, and the popularity of "Samaritan" Olive Oil is widespread. Put up in 2½, 5, 10 and 20 oz. bottles, hygienically packed, with attractive showcards. Send for prices and further particulars.

A Product of
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For over a century Hobson's Black Beer (non-intoxicating) has been well known. Backed by sustained advertising there is a steadily increasing demand. Special agency terms to wholesalers are now available in certain districts. Own name literature and other sales aids gladly supplied. *Wholesale enquiries invited.*

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'Phone: LEEDS 25270 Telegrams: "SPRUCE," Leeds

"VITAMIN TESTED YEAST"

Yeast specially prepared for medicinal purposes

GUARANTEED ABSOLUTELY PURE

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(VINUM AURANTII B.P. 1914.) Prepared in strict accordance with the Formula of the British Pharmacopœia.

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The Best and
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Medicine of
over 130 years'
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ATKINSON & BARKER'S
INFANTS' PRESERVATIVE

Does not
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Poison.

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PRODUCERS & REFINERS OF THE LARGEST RANGE OF

**STANDARDISED VETERINARY
COD LIVER OILS**

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YEAST**This famous Brand of Yeast is now available
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60 Tablets 1s. 6d. 120 Tablets 2s. 6d.
Retail Discount 33 $\frac{1}{3}$ % Wholesale Discount 16 $\frac{2}{3}$ %
All Orders Carriage Paid.Supplies now available through usual Wholesale channels,
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EDINBURGH**THE USE OF "D.C.L." YEAST WILL PROMOTE BETTER HEALTH
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THE BLOOD AND FOR THE TREATMENT OF SKIN ERUPTIONS,
CONSTIPATION, INDIGESTION AND NERVOUS DISORDERS.*If your Customers
ask for—***HALES
COLTSFOOT ROCK
and SELAH
BARLEY SUGAR***Don't put them off with
INFERIOR SUBSTITUTES*

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have proved that Patentex is a most hygienic, safe and æsthetical contraceptive. Recommended by medical authorities.

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Most simple
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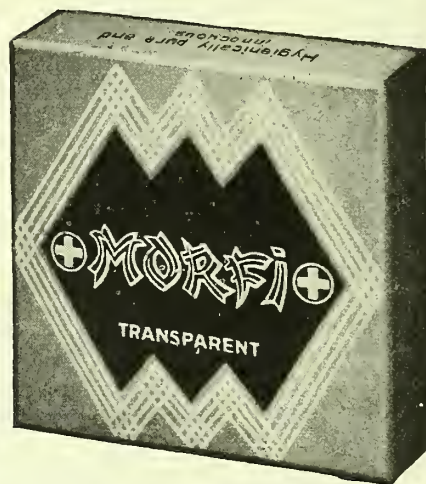


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MARKET ROAD, LONDON, N.7**

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Covered and Elastic Band Trusses, under the

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"KO-RALLIUM." A new flexible covering for Steel Springs, is Immune from Warping, Cracking, Shrinking or Peeling. Non-Inflammable, Impervious to Moisture, Neutral to URIC ACID Secretions. Supersedes Hard Rubber or Celluloid.

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PURE · SOFT · HYGIENIC
(Completely Wrapped)

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750 perforations to every roll.

No dirty edges, completely wrapped and sealed.

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A. de St. **DALMAS** & Co. Ltd
LEICESTER

FORSTERS & VAPOURISERS
FENOLIN for
FLUID Whooping Cough
Hall, Forster & Co., Ltd.
Newcastle-on-Tyne.
ON P.A.T.A.
4 oz (1/5) 11/-

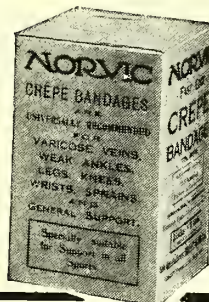
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The Blue Carton, prominently displayed in the window or on the counter, will increase your crêpe bandage sales enormously. A P.A.T.A. LINE with FULL 33% PROFIT.

From leading wholesalers.

Sole manufacturers: Grout & Co. Ltd.
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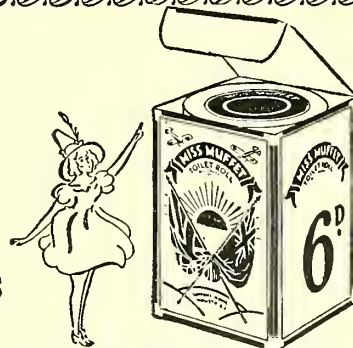


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FAVOURITE
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SANITARY TOWELS

The original 6d. packet Brand is now indisputably world famous. Its ever-increasing popularity has enabled us to include an additional Towel

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Wholesalers, assistants, rent, rates, taxes and other overheads must be paid. Whenever cash leakages occur IT IS THE PROPRIETOR WHO LOSES.

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The sales of Sherley's Dog Foods and Medicines are increasing. Moreover, they are supplied on terms which eliminate all risk of loss, prices are protected and Trade Terms are generous. The special discounts below make our Quantity Terms most attractive.

**2½% EXTRA DISCOUNT
ON £2 PARCELS**

Those who give a window display of Sherley Products can confidently order a popular £2 parcel, made up of any of our lines retailing at 6/- or less, according to customer's requirements. On orders for this amount an extra 2½% discount is allowed. Link up with us and secure the trade for Sherley Products in your district.



**5% EXTRA DISCOUNT for
WINDOW DISPLAY**

A window display of Sherley Products will increase your business and earn you an extra 5% profit over and above our generous Trade Terms. Extensive sales-compelling show material is available for small, medium or large Display. A postcard brings full details.

Sherley products are extensively advertised in the National and Canine Press and represent the highest standard of excellence.

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SHERLEY
& Co. Ltd.,
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**SHERLEY'S
DOG
MEDICINES**

Lactol
LACTOL BISCUITS

Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (Protected)	Net Wholesale Price
Virus for Rats and Mice, single tube, 2/- ..	15/- per doz.
3 tubes, 5/- ..	
Virus for Mice only .. single tube, 1/6 ..	9/- ..
3 tubes, 3/- ..	

Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

Retail Price	Wholesale Price
Bottles 6/- each	4/6 each
" 4/6 "	3/9 "

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33½% cash with order.	
Retail	Monthly A/c
½ gall. tins .. 10/- ..	7/6 ..
1 " " .. 18/- ..	13/6 ..
5 " " .. 80/- ..	60/- ..
	Cash with Order
	6/8
	12/-
	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (Protected)	Wholesale Prices
In cartons 9d. each	6/9 per doz.
" 1/6 "	13/6 " "
" 3/- "	27/- " "

Danzo Beetle Powder will not deteriorate by keeping.

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Protected Prices
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Remedies for the Horse

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Parasiticide.
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HARVEY & COMPANY, Ltd., Dublin

Xmas News

GOODALL, BACKHOUSE & CO., WHITE HORSE STREET, LEEDS.

GOODALL'S

this year for

XMAS GIFTS and Toilets

1933 WILL BE BEST BUSINESS
XMAS FOR YEARS

Better trade means heavier buying

Easy now to get your share of the business

Christmas is a time of widely-opened purse strings, a time when even the stingy are transformed, when the whole world thinks of presents. More people are employed to-day than for many months, and everything points to the fact that this year will see more buying than any Christmas season since the "boom" years. It is worth while to prepare to take your share of the Christmas profits by stocking up your toilet and fancy departments now. All the famous makers—Coty, Yardley, Atkinson, Bourjois, are preparing heavy advertising schemes, which will drive people in the shops for their goods. You will be wise, therefore, in making your selection early, and getting the goods on show. We are ready for you; we have a choice such as it was impossible to offer you before the opening of our new showrooms a few months ago; and everything is now ready for your inspection. Come along as early as ever possible, and let your customers see that yours is the shop for Christmas buying.

GOODALL'S excel themselves "the best Xmas display ever"

"Goodall's this year have excelled themselves," said one of our regular customers who had a pre-view of our offerings a day or two ago, "they have shown what the Provinces can do when they set themselves about it!" We are proud of this tribute, for in 1933 (thanks to our new showroom) we have certainly gone further to meet our customers' toilet and fancy goods needs than ever before. Literally hundreds of new lines have been added to our already wide stocks. No longer have our customers to "go direct" for their less usual requirements; they are finding, week after week, that "Goodall's have it." We ask you to remember this, and,
COME AND SEE OUR SHOW.

STOCK and DISPLAY ESPECIALLY:

Coffret Boxes (all prices) by Coty, Yardley, Bronnley, Atkinson, Ku-Bist, etc., etc. Flapjacks, Powder Boxes, Sifters, Powder Bowls. Magnifying Make-up Mirrors, Handsome Brush Sets for men and women, in leather cases, or in Xylonite for the dressing-table, Shoe Toilet Sets, Swansdown Puffs (in special postal boxes), "Iva" and other Handkerchief Puffs, Pyjama Cases, etc., etc.

GOODALL, BACKHOUSE & Co., White Horse St.
(5 seconds from Boar Lane), LEEDS

PERFUMES—

Again the most popular gift

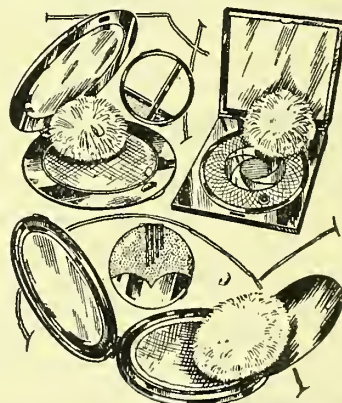
PACKS OF DAZZLING BEAUTY

Everybody knows that a gift of high-class perfume is always welcome; it is the one safe bet as the always-acceptable present for the fastidious woman.

So we have simply enormous stocks of perfumes. The chief manufacturers have surpassed themselves in design this Xmas—never have perfume packs been more beautiful, more charming, or so thoroughly in the modern manner. The values are extraordinary; Dubarry, for example, show all-round reductions on last year with even finer packs. Our Dubarry show is worth extra attention, whilst the Coty, Atkinson and Morny offerings also should not be missed. Yardley's, too, are advertising heavily this season, so it will be advisable to stock their products heavily. A few bottles of our own Ku-Bist No. 7 Perfume are worth stocking for the sake of your really-difficult-to-please customer. It is specially imported directly from Paris, and is the pick of a dozen or more specially created for us.

FLAP-JACKS and POWDER SIFTERS

These will be very popular gifts this Christmas-tide. Last year they were rather too dear for all except the "well-off"; to-day, whilst designs and quality are far improved, the prices are within everybody's reach. We have designs for every taste—simple, ornate, large, small, and in almost every colour and every colour combination. Our stocks cannot be described—you must come and see them or allow us to send you a selection within your price limits.



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

NOVEMBER 25,

1933

28 ESSEX STREET, LONDON, W.C.2

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for **DISPOSAL, PREMISES TO LET** and **FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS FOR SALE** and **AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)
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SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)
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Telegrams: "Chemicus, Estrand, London."

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We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—BROMPTON ROAD (NEAR).—Good-class Business; established about 30 years; returns last year £1,300; net profit £265; premises occupy good position in main road; modern flat; price £750; age and ill-health reason for sale; vendor 72 years of age.

2.—FOREST HILL (NEAR).—General Retail Business with Kodak Agency and small Panel; old-established; returns last year approached £2,650; gross profit approximately £900; double-fronted main-road shop, nicely fitted in mahogany; National Cash Register; accommodation at present sublet at 25s. weekly; rent £75 per annum; held on lease with option; price £1,550, or valuation terms entertained; genuine reason for disposal.

3.—CAMBERWELL GREEN (NEAR).—Main Road General Retail Business offering scope for increase; established over 60 years; returns approximately £1,200 per annum; very good profits; rent £90; sublet £80; held on lease; proprietress is anxious to sell and will accept a reasonable offer.

4.—REGENTS PARK (NEAR).—Chemist and Herbalist Business; established about 60 years; net profit about £750 per annum; main-road position; reasonable rental; long lease; further details on application.

5.—NORTHFIELDS.—Family Retail Business, offering scope for increase; established over 40 years; returns approach £2,300; accountant's figures; double-fronted corner shop, nicely fitted and stocked; good living accommodation; reasonable rent; long lease; price £1,550; Vendor retiring.

6.—EAST LONDON.—Cash Drug Store; established 25 years; returns exceed £1,100; net profit £325; living accommodation at present sublet, but possession could be obtained; new lease at £65 per annum; sublet £52; nearest opposition one mile; Vendor retiring.

7.—ACTON.—Cash Retail Business in good position; returns exceed £1,600 per annum; modern front; comfortable living accommodation; Vendor going into another business; first reasonable offer will be accepted.

8.—NOTTS.—Cash Retail Business with Branch for disposal; combined takings approach £5,000; scope for increase; reasonable rentals and price; further details on application.

9.—HANTS COAST.—Family Retail and Dispensing Business with Kodak Agency; established 10 years; returns exceed £1,700 per annum;

gross profit £625; double-fronted shop, nicely fitted and fully stocked; comfortable accommodation with bathroom and small garage for motor cycle; price asked £450 for goodwill, stock and fixtures at valuation, in all about £1,100; property is also for disposal.

10.—BIRMINGHAM SUBURB.—Branch Business for disposal, situate in good market position; returns approach £1,500 per annum; gross profit £525; modern oak fixtures; good clean saleable stock; comfortable living accommodation; Vendor owns the premises and would grant a lease at £80 per annum; price of business £1,000 or valuation of stock and fixtures.

11.—SOMERSET.—Middle-class Cash Retail Business with increasing turnover; present rate about £19 per week; net profit about £230 per annum; double-fronted shop, well fitted and stocked; rent £55 per annum inclusive; lease; price £500, or valuation terms entertained.

12.—HEREFORDSHIRE.—General Retail Business with Kodak Agency; established 60 years; returns exceed £1,000 per annum under management; net profit 30 per cent.; double-fronted shop, well fitted and stocked; stock and fixtures worth £500; good living accommodation; premises held on lease at reasonable rent; price £600.

13.—BOURNEMOUTH SUBURB.—Middle-class Retail Business; takings last year £1,085; this year shows an increase of £65 to date; double-fronted shop; modern living accommodation; rent £100 per annum; held on lease; price £850 or nearest offer.

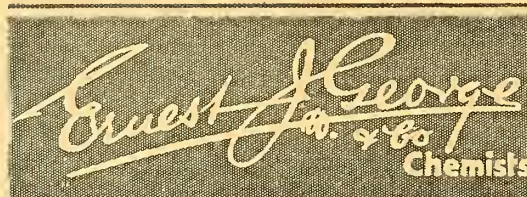
14.—ST. ALBANS.—Medium-class Retail Business with increasing turnover; this year will exceed £1,600; net profit over £400; double-fronted, main-road, lock-up shop, nicely fitted and fully stocked; Vendor's house available if required; rent of shop £60 per annum; held on lease; price £350 for goodwill, plus stock and fixtures at valuation.

15.—UXBRIDGE (NEAR).—Good-class Chemist's Business with great possibilities; turnover at present about £1,200 per annum; extensive building operations; good living accommodation; property can be purchased or leased; further details on application.

16.—EAST LONDON (MAIN ROAD).—Middle- and Working-class Business with large N.H.I. (about £340 per annum); returns present rate £40 per week, plus N.H.I.; net profit approximately £400 per annum; corner shop, well fitted and stocked; price £1,200; any trial given.

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Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.



Bank Chambers, 329, High Holborn, London, W.C.1.
 Telephone Nos. Holborn 1167 & 1276 (2 lines).
Tudor House, Walsall, Telephone, Walsall, 3774.
Chemists Valuers & Transfer Agents.

(C1) HANTS.—Very attractive spacious modern pharmacy, situated in leading seaside resort, available for purchase owing to genuine circumstances; immense scope exists for development over the present returns, which for the financial year recently ended were approximately £2,600; excellent opportunities for optics, and numerous other additions; further particulars in strict confidence upon application.

(C2) BERKSHIRE.—Attractive modern pharmacy with small labour saving flat, situated in pleasant residential district; the turnover at the moment is at the rate of approximately £2,000 per annum, and is steadily increasing; no near opposition; reasonable rental; long lease; price £1,400 or near offer.

(C3) ESSEX (NEAR LONDON).—Very good profit-earning business situated in middle working-class residential district; turnover approximately £2,650 per annum, with net profit to owner-proprietor £550-£600; living accommodation; reasonable rental; long lease; price £1,650 or near offer.

(C4) COUNTY DURHAM.—Exceptionally good profit-earning business with optical connection, for disposal at reasonable figure; turnover for last financial year £1,975, with net profit £434; large N.H.I. (over 1,000 scripts monthly); good living accommodation with all modern conveniences including garage; reasonable rental or freehold could be acquired; price, all-in, £975.

(C5) LEEDS.—Good retail and family business situated in populous residential suburb; average turnover for last three years, as per accountant's figures, approximately £2,000 per annum; rent £70, including good living accommodation; lease 21 years; pharmacists with available capital of £750 would be in a position to negotiate.

(C6) NORTH CHESHIRE.—Established retail business with living accommodation; turnover for 1932-33, £1,512; property can be purchased or leased at a reasonable rental; no near opposition; £100 is asked for the goodwill of the business, plus the value of stock and fixtures.

(C7) CLAPHAM (NEAR).—Established middle-class business prominently situated and offering plenty of scope for development; present returns approximately £1,200 per annum; reasonable rental, which is more than covered by income from subletting; main road situation; reasonable purchase price.

(C8) BUCKS.—Recently established pharmacy showing steady and consistent progress; present returns approximately £1,250 per annum,

with indications of considerable further increase; property can be purchased or leased as required; no near opposition; price about £750; owner has purchased a larger business some distance away, and cannot adequately supervise; further details upon application.

(C9) SOUTH MIDLANDS.—Good retail business with living accommodation including 4 bedrooms, situated in congenial market town; turnover upwards of £1,300 per annum, with net profit approximately £350; very reasonable overheads; no near opposition; further particulars, in strict confidence, to genuine prospective purchasers upon application.

(C10) BIRMINGHAM.—Good family and general retail business, situated in growing residential suburb; present returns approximately £20 weekly, with plenty of scope for increase; rent £70, less sublet (one room), which brings in £32 10s. per annum; good living accommodation; purchase price to cover value of stock and fixtures only (no goodwill asked).

(C11) HARROW (NEAR).—Modern pharmacy situated in good class growing residential district; present returns approximately £1,600 per annum, and steadily increasing; living accommodation at present sublet; net rent after allowing for sublet income, is less than 10s. weekly; genuine reasons for disposing; reasonable purchase price.

(C12) WEMBLEY (NEAR).—Modern pharmacy with good labour-saving flat above, for disposal owing to genuine circumstances; turnover for 1932-33 financial year £1,581, with definite scope for further increase; premises situated in busy shopping thoroughfare of growing residential district; price all-in about £650 (offers considered).

(C13) SOUTH DEVON.—Pharmacy with living accommodation, including extensive orchard-garden, situated in congenial town, within easy reach of the sea; present returns upwards of £1,000 per annum with plenty of scope for increase; rent and rates about £2 5s. per week; lease 19 years; price about £800.

(C14) LONDON, N.W.—Pharmacy with living accommodation at present sublet, situated on main road of thickly populated middle working-class district; present returns £18/£20 weekly; rent and rates of shop, after allowing for sublet, approximately £80 per annum; price for quick sale £400, including stock, approximately £300; the matter is urgent, and the proprietor is open to consider any reasonable offer or suggestion.

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41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—YORKS (West Riding).—Old-established Business; returns average over £4,500 under management; scope for increase; gross profits 40 per cent.; books audited; good position; long lease; price £2,300 or £500 plus valuation of stock and fixtures.

2.—CHESHIRE (Coast).—Well-established steady Business; returns average £1,100 to £1,200; gross profits 38 per cent.; main-road position; good living accommodation; price £900, or valuation plus small goodwill.

3.—HOME COUNTY.—Good Middle-class Business, in pleasant residential town; returns exceed £1,500; net profit over £400; audited figures; low rent; modern pharmacy; price £1,100, or valuation terms arranged.

4.—DORSET COAST.—Sound Light Family Retail, with Kodak Agency; return averages £1,750; audited figures; well-fitted shop, with good house, garage, &c.; price for business £450 and valuation, plus £1,550 for freehold.

5.—MIDLANDS.—Light Suburban Retail; pleasantly situated; present returns £20 weekly; scope for increase; main-road position; nice house; low rent; price for quick sale £750 or near offer.

6.—PADDINGTON (near).—Middle-class Cash Retail with large Panel and good Photo connection; returns approx. £2,200; gross profits over 45 per cent.; books audited; main-road position; rent £150; long lease; large house; price £1,500 or offer.

7.—LONDON, S.E.—Old-established Business, in main-road position; returns under manager about £1,300; good profits and scope for increase; rent £90, sublet £80; corner shop; well stocked; price £900 or near offer.

8.—TALLY HO (near).—Good-class Suburban Retail with valuable appointment; present returns £20 weekly under female management; stands to do double; handsome modern Pharmacy with 2 self-contained flats over; stock and fixtures worth £500; price £600 or first reasonable offer.

9.—LONDON, N.W.—Good-class Suburban Business, growing district; returns £12 weekly under manager; plenty of scope; double-fronted shop; well stocked; price £175 or bare valuation.

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BLACKPOOL.—Excellent fitted Double-fronted Lock-up Shop, in one of busiest districts; on lease (8 years unexpired); good stock; Kodak Agency; large D. & P.; present takings £1,800, all cash (audited), under Unqualified; ideal opportunity for Qualified; would rapidly increase with N.H.I. and Optics; particulars to genuine inquiries. 545/6, Office of this Paper.

BOURNEMOUTH.—Promising Chemist's Business; attractive Double-fronted Shop, delightfully fitted; in new growing suburb; comfortable 5-roomed house; garden; long lease at only 36s. weekly inclusive; trade already £10 weekly; little opposition; unlimited scope. Coxill & Mitton, Business Specialists, 101 Old Christchurch Road, Bournemouth. Other South Coast businesses for sale.

BRADFORD.—Neglected Branch for sale; stock and fittings at valuation only; average weekly takings £13, including N.H.I.; good scope for increased business; stock can be reduced to suit purchaser; premises to rent; lease can be arranged. Reply to 546/29, Office of this Paper.

KNIGHTSBRIDGE (near).—Proprietor of Good-class Chemist's Business is desirous of selling owing to ill-health and age (72 years); takings £1,300 per annum; a younger man would do much better; nice flat over; price £750. Apply 231/329, Office of this Paper.

LIVERPOOL.—Middle- and Working-class Retail Business, with N.H.I. and Kodak Agency; large double-fronted shop; excellent living accommodation; rent £84; 13 years' lease; returns £20 per week, easily increased by good man; genuine opening for Optics; price £600 or valuation terms entertained; domestic reasons for disposal. 548/5, Office of this Paper.

LONDON, N.W.—Old-established Retail business, with large Insurance Panel available for purchase; average turnover approximately £2,500 per annum; rent £110, including living accommodation; Kodak Agency; good scope for further development. Particulars, in strict confidence, will be forwarded to genuine prospective purchasers upon application. Ernest J. George & Co., 329 High Holborn, W.C.1.

MIDLANDS.—Family Retail Business, with N.H.I. and Kodak Agency; in thickly-populated middle-class district; opened February, 1932; returns up to October, 1933, £1,751; accountant's figures; plenty of scope for increase, and sound proposition for energetic man; lock-up, double-fronted shop; rent £65 per annum; price £750. 547/17, Office of this Paper.

NOTTS (also Northants Branch).—Old-established Family Business; market-place thoroughfare; good Optical connection; valuable Proprietary Lines; living accommodation could be arranged; excellent scope for development by live proprietor; also Small Branch for disposal, Northants; reasonable prices (by negotiation). Apply Charles F. Carlisle, Messrs. D. W. H. Phipp & Co., 15 Park Row, Nottingham.

SOUTHERN COUNTIES.—Genuine up-to-date Pharmacy for Sale; main road; well established; good cash trade; returns £1,600; audited; no opposition; living accommodation, with vacant possession; Kodak Agency; splendid D. & P. trade; price £900; low rent and rates; owner leaving trade. 545/12, Office of this Paper.

AN Opportunity occurs for an energetic Pharmacist to acquire a Business in London, E. district, 35 years established, returning £1,124 (1932) under management; house attached, at present let off at 25s. per week, but accommodation can be obtained; main-road position, doing good working-class cash business, with N.H.I. and Prescribing; certified figures; freehold (£800) also for disposal, mortgage for same easily obtained; fullest details upon submission of bankers' reference. 231/328, Office of this Paper.

CASH Drug and Photography Stores, Denton, near Manchester; corner shop; 3 bedrooms; average weekly takings £12; splendid opportunity for Qualified Chemist; stock approximately £500; price £400 or near. Apply Cheetham & Sons, F.A.I., 40 Hyde Road, Denton.

CHEMIST Business in North-East, situated in very busy district; large commodious shop; fitted out splendidly; a real wonderful selling media in all respects, including stock, N.H.I. over 400 a month; owner will sacrifice same for quick cash sale. For particulars apply 546/25, Office of this Paper.

EXCEPTIONAL OPPORTUNITY.—Owing to sudden domestic circumstances a sound Business in the East End of London is available for purchase at a very low figure; present returns under management approximately £1,200 per annum; large N.H.I.; reasonable rental; abundant scope for further increase; to the right type of purchaser the owner would allow part of the purchase money to remain over for a period; further details upon application. Ernest J. George & Co., 329 High Holborn, London, W.C.1.

OLD-ESTABLISHED Chemist's Business for Sale, Slaithwaite, near Huddersfield, owing to death of proprietor; excellent opportunity in a busy district. Apply Fred Sheard & Sons, Certified Accountants, 5-6 Kirkgate Buildings, Huddersfield.

URGENT.—Owing to special circumstances, a Business in North-West London, showing returns of approximately £20 per week, with plenty of scope for increase, must be sold at the earliest possible date, and the first reasonable offer will be accepted; living accommodation available (at present sublet); the shop is well stocked and fitted (stock about £300); exceptional opportunity to acquire a business with good potentialities at a very low figure; full particulars upon application. 231/326, Office of this Paper.

£525 or near offer will buy you a Real Christmas Present in the way of an exceptionally Valuable and Genuine Business in London; profits last six months average £11 5s. per week; sales last week of own prescriptions exceeded 1,050; only a small lock-up shop in a busy main road at 27s. 6d. per week inclusive, but what a business! Wonderful chance for a young man to make money; price includes stock, fixtures and fittings, good lease, many stockists, valuable formulae and goodwill; suit Qualified or Unqualified man; books open to any inspection. Full particulars 547/26, Office of this Paper.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CHEMIST'S Business or Drug Store wanted; Wales preferred; good living accommodation essential; neglected or country business entertained. Please give full particulars to 547/33, Office of this Paper.

PRIVATE Chemist, with capital for immediate negotiation, requires a business in London or suburb showing returns of £4,000 per annum or upwards; a figure above present market value will be paid for the right type of proposition, and confidence regarding all correspondence and negotiations that are entered into is guaranteed; references can be supplied in advance if required. 231/327, Office of this Paper.

REQUIRED IMMEDIATELY.—Sound Business in London or Home Counties showing returns of approximately £50 per week; private client wishes to negotiate without delay and an immediate introduction can be effected; capital available up to £2,000; prospective vendors are invited to communicate privately, under guaranteed assurance of confidence. Ernest J. George & Co., 329 High Holborn, W.C.1.

PREMISES FOR SALE.

IPSWICH.—Well-built Shops, with good living accommodation; situated large new building estate; good opening for Chemist; price £750; mortgage arranged. Full particulars of Herbert Cornell & Son, 6 Princes Street, Ipswich.

PREMISES TO LET.

LEICESTER (Main Granby Street).—A Chemist's shop is actually needed in this particular position, and this is an ideal shop; to let at low rent to approved tenant. Keys and particulars from the Sole Agents, Montagu Turnor, Ltd., Estate Agents, 27 Belvoir Street, Leicester. Phone: 58420.

LONDON COLNEY, HERTS.—Two New Modern Shops to Let, main street; excellent position; one a lock-up; other with roomy flat over; both with store and back entrance; population about 2,000 rapidly developing district; no opposition; viewed by appointment; garages to let; no agents. Boome, Roe-Green Lane, Hatfield, Herts.

APARTMENTS.

WHEN YOU COME TO LONDON STAY AT THE HAMPDEN RESIDENTIAL CLUB.

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 bedrooms. 12s. 6d. to 25s. per week, including baths, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

BUSINESS OPPORTUNITIES.

OWNER of Ethical Proprietary desires meet keen London man with first-hand knowledge of Marketing and Salesmanship, for advice and part-time service. 231/323, Office of this Paper.

APPOINTMENTS.

KENT COUNTY COUNCIL.
PUBLIC ASSISTANCE DEPARTMENT.

THE County Council invites applications for the appointment of Dispenser-Secretary at the Medway Hospital at a salary of £150 a year, rising by £5 a year to £200, together with meals when on duty.

Preference will be given to candidates possessing the Certificate of the Pharmaceutical Society and otherwise the Certificate of the Apothecarys' Hall.

Applications to be made on forms obtainable from the Assistant Public Assistance Officer, Medway Hospital, Chatham, to be returned to him by not later than Monday, December 4, 1933.

Sessions House, Maidstone. W. L. PLATTS,
Clerk of the County Council.
November 22, 1933.

SALE BY AUCTION.

Removed from Wembley.

SALE ROOMS, 5 LITTLE BRITAIN (close to G.P.O.), LONDON, E.C.1.

Two Complete Ranges of CHEMISTS' SHOPFITTINGS, Drug Runs, Plate Glass Counters, Silent Salesmen, Mirrors, Tills, Glass Shelves, Display Stands, Safe, Office Furniture, Typewriters, Chairs, &c.

B. NORMAN & SON

Will Sell by Auction at their Sale Rooms, as above, THURSDAY, NOVEMBER 30, at 1 o'clock.

On View Day Prior. Catalogues of the Auctioneers, 5 Little Britain, E.C.1. Tel.: NAT. 6463.

AGENCIES.

COMMISSION AGENTS wanted to sell "Sunsweets"; Chemists' Quality Confectionery in the following Counties: Notts, Leicester, Derby, Potteries, Midlands; only those who run a car, have a first-class connection and can furnish highest references need apply. Sunsweets, Russell Street, Peterborough.

SALES Manager or Representative, well known to the trade, energetic and conversant with all branches, requires to get in touch with firms wishing to be represented, or would take over entire sales managership. 547/35, Office of this Paper.

PARTNERSHIPS.

GENTLEMAN, bachelor (44), unregistered, excellent experience, wishes to join Qualified Lady or Gent. in good business or in opening same; would not mind joining good wholesale house, or agent, or invest; only those who require a trustworthy partner and they themselves are genuine need answer; capital available £800. 547/20, Office of this Paper.

LADY, with considerable good Retail experience, possessing small capital, would like to join another lady (Qualified) of similar financial status, with a view to opening a business; unopposed site already found. 545/37, Office of this Paper.

OPPORTUNITY arises for young Qualified Chemist with small capital; part share in main-road shop outside London. Write 545/15, Office of this Paper.

OPPORTUNITY for Chemist with capital not less than £750 to obtain a Partnership in a well-known and highly recommended business in West London; a gentleman recently Qualified, with the right type of personality, &c., preferred; the business is very old-established, and its owner possesses an extremely good name and reputation; further confidential details will be supplied upon receipt of references, &c. Ernest J. George & Co., 329 High Holborn, London, W.C.1.

SITUATIONS OPEN.**RETAIL (HOME).**

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

ADVERTISER 231/299 wishes to thank all applicants for the vacant post in his pharmacy, but regrets he cannot reply to each one individually owing to the large number of letters received.

COVENTRY.—Qualified Assistant, immediately; smart, efficient Salesman, good Window-dresser essential. Send full particulars age, height, copy references, photo, stamped addressed envelope, salary required to Parkers, Chemists, 32 Hertford Street, Coventry.

FALMOUTH.—Energetic Qualified Manager for branch (married); knowledge good-class Photographic apparatus; references; photograph; age and usual particulars to Bathes, Ltd., 24 Fleet Street, Torquay.

LONDON, N.W.11.—Capable Junior Assistant for good-class business; good experience and sound references essential; personal interview necessary. Apply, with full particulars, to A. Woolf, 229 Golders Green Road, N.W.11.

LONDON, N.W.1.—Qualified Assistant required immediately, married, to live over premises; good all-round knowledge of Drug Trade necessary. Apply personally to Fairfax, 116 Seymour Street, Euston, N.W.1.

LONDON SUBURB.—Young Qualified Manager, with wife capable of assisting; living accommodation. Apply, giving full particulars, to 547/40, Office of this Paper.

MANCHESTER.—Qualified Man (over 25) for branch shop; state age, wage, height and experience; letters unanswered within 10 days respectfully declined. 545/32, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, Qualified Assistant; age about 25 to 30; used to working-class business; N.H.I., &c.; quick and energetic; Optical qualification an advantage. Apply with full particulars (moderate salary) to 545/8, Office of this Paper.

MIDLANDS.—Smart, Tactful Qualified Manager (married, 35-40); quick, accurate Dispenser, Photographic; highest references; state age and salary required; photo. 544/31, Office of this Paper.

NEAR LONDON.—Wanted, after Christmas, a capable Qualified Junior Assistant (male) for good-class business, with fair amount of N.H.I. Apply, giving usual particulars and stating salary required, to 546/39, Office of this Paper.

RELIABLE Qualified man required at once (25 to 35); good Window-dresser and one used to N.H.I.; permanency. Write full particulars and salary required to M. B., 76 Carnarvon Road, Stratford, E.15.

SMART Lady Assistant required for our Luton Branch; experienced in Counter and Window-dressing; no Dispensing. Write, stating age and salary required, to The United Medicine Co., 111 Leavesden Road, Watford.

ASSISTANT, Unqualified lady, or Junior (man); with good experience; wanted at once for Counter work; must be smart and capable; Dispensing not essential. Apply Durbins, Chemists, 66 The Broadway, Ealing.

BRANCH MANAGER.—Qualified Chemist and experienced Optician (registered J.C.Q.O.) required for permanency; accustomed to good-class Retail, Dispensing and Photography; Kent Coast; house available; must be a good Salesman, courteous in manner and thoroughly competent and trustworthy. Kindly state full particulars of former experience, age, height, married or single, salary required, when disengaged, and enclose recent photograph (returnable), to "Procedere," 547/29, Office of this Paper.

JUNIOR or Improver (Male or Female); N.H.I. and Counter; North London. Apply, giving full particulars, to 547/400, Office of this Paper.

QUALIFIED Assistant wanted on January 1; must be quick and accurate Dispenser and good Salesman; with London experience preferred; state full particulars, with salary required. A. W. Hanson, 23 High Street, Sidcup.

QUALIFIED Man required immediately for branch in good-class district; 26 to 38 years of age; Dispensing and Counter experience; commencing salary, £4 weekly. Reply, stating age, height, experience and references, to Chalkwell Cash Chemists, Ltd., 733 London Road, Westcliff-on-Sea.

QUALIFIED Young Lady Assistant required; N.H.I. and middle-class business; state age, experience and salary; permanent post to suitable applicant; East Yorks. 546/27, Office of this Paper.

UNQUALIFIED or Part-time Assistant wanted, mainly for Counter work; state age, experience and salary required; applications not answered in five days respectfully declined. Lyon, 18 Formosa Street, Warwick Avenue, W.9.

WANTED, Chemist-Optician, London; salary and half profits Optics; please reply stating salary, &c. 546/21, Office of this Paper.

WANTED.—Experienced Dispenser-Bookkeeper for non-Panel practice in North London; to live in; domesticated; age 30-40; salary 30s. weekly, all found. 548/6, Office of this Paper.

WANTED.—Fully-Qualified Pharmaceutical Chemist for Scottish Co-operative Wholesale Society, Ltd., Drug Department, Shieldhall. Applications, enclosing testimonials and references, stating age, experience and salary required. Endorse "Chemist" and address to Mr. Robert Leckie, Secretary, Scottish Co-operative Wholesale Society, Ltd., 95 Morrison Street, Glasgow, not later than Tuesday, December 5.

WANTED, at once, Qualified Lady Assistant; N.H.L., Dispensing and Window-dressing; apply immediately. Watkinson, Chemist, 384 Lordship Lane, Tottenham, N.17.

WANTED for about 6 weeks, a Young Assistant, Unqualified; capable Dispenser; full particulars and wage required. Bone, Chislehurst.

WHOLESALE.

A LONDON Firm of Chemists' Sundriesmen require Representatives with experience and connection in the London area (South of the Thames); please state age, experience and remuneration required. 545/22, Office of this Paper.

FILLER (Female), Wets and Drys, required at once. P.C.B. 98/5, Office of this Paper.

LEADING Manufacturers of Soaps, Perfumery, Popular-priced Toiletries, require Representatives for all territories with the exception of Scotland and Ireland; only first-class men with knowledge of the trade need apply; the position carries salary, commission and expenses. Full particulars of experience, age and salary expected, to 231/312, Office of this Paper.

MANAGER Required by old-established Firm of Surgical Instrument Suppliers to the Profession; a gentleman is needed prepared and capable to do outdoor representation when required; age 30 to 40. Please apply, giving full particulars, to 231/311, Office of this Paper.

PILL-MAKER'S Assistant required; 2 or 3 years' experience. Reply, with full particulars, 231/313, Office of this Paper.

QUALIFIED Chemist required as Drug and Chemical Stockkeeper by firm of Wholesale Chemists; must be accurate worker; not over 35 years of age. Apply, stating salary expected and experience, to 231/325, Office of this Paper.

QUALIFIED Representative required by progressive Manufacturers to call on Chemists and Doctors in Edinburgh and East Scotland; established connection to hand over; fullest particulars of past experience, age, stating whether any connection on the territory named; applicants will be required to provide their own car. 231/300, Office of this Paper.

REPRESENTATIVE wanted for Midlands by old-established London firm of Pill and Tablet Makers; retainer and commission basis; details of past employment and record; interviews will be given in Birmingham. Replies to 231/324, Office of this Paper.

REPRESENTATIVES Wanted for Retail Chemists throughout London and Greater London. Apply personally or by letter. British Lion Company, Lion Works, Larch Road, Balham, S.W.12.

TRAVELLERS Wanted; must have live connections with Chemists, Stores and Hairdressers; able to carry additional line, quick repeating line; 20 per cent. straight commission, paid in full weekly. Apply, full particulars, connection and territory worked, Lashcream, 54 Norman Road, Manchester, 14.

WELL-KNOWN London Manufacturers of Quality Merchandise, competitive, require Salesman with connection in Chemists' Sundry Trade, Fancy Goods, &c.; wholesale and large Stores, London and/or Country; good opening for sound Salesman. Write 545/29, Office of this Paper.

YOUNG Qualified Chemist of good appearance and education required; work entails detailing of Dental profession and trade in London and suburbs for well-known Pharmaceutical house; age not exceeding 35; able to drive car. Write, giving fullest details of education, experience, age and remuneration required, to 231/309, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

REPRESENTATIVE FOR ABROAD.—A leading Pharmaceutical and Food House requires a Medical Representative for the East; applications will be considered from single male Qualified Pharmacists; age not more than 26; previous Representative experience not necessary; the position is progressive, and remuneration adequate; candidates, who must be of sound personal character, healthy, self-reliant and industrious, should forward details of their career and full personal information to 232/330, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.—MANAGER or Senior; Qualified (34); single, tall, abstainer; 15 years' all-round experience Dispensing, Counter, Photographic, Prescribing, Window-dressing; Manager last position over 5 years; disengaged; energetic and trustworthy; excellent references. "C. H. D.," 63 Cannon Hill Lane, Merton Park, S.W.20.

A.A.A.—ASSISTANT; Manage; all branches; good experience, references; tall; unregistered; seaside and spa. MacLellan, Wotton-under-Edge, Glos.

A.A.A.—M.P.S.; moderate salary; 6 years' management last position. Girgis, 213 North End Road, West Kensington.

A.A.A.—QUALIFIED, experienced in all branches; capable experience; highest references; disengaged. J. Simmons, 60 Pennard Road, Shepherd's Bush, W.12.

A.A.A.—QUALIFIED (24), single; Dispensing, Counter, Windows; well recommended; disengaged. 546/7, Office of this Paper.

A.A.—JUNIOR (20), good all-round Dispenser, Window-dresser and Salesman; highest references; go anywhere. 19 Clinton Avenue, Manchester, 14.

A.A.—Locum or permanency (45); Dispensing, Counter, Windows, Prescribing; abstainer; competent; trustworthy. Harries, 3 Cancell Road, S.W.9.

A.A.—OFFERED £10 permanent situation or introduction to same; capable Dispenser, Salesman, Window-dresser; excellent references; Unqualified (27); tall, smart appearance. H. G. C., 45 Adolphus Road, Finsbury Park.

A.—M.P.S., London and provincial experience, seeks post; South Wales preferred but not essentially; capable Dispenser, Salesman and Window-dresser; interview. Morgan, 6 Cwm Cottage Road, Abertillery, Mon.

A.—QUALIFIED Manager, disengaged, 20 years' experience, requires position; London or suburbs; moderate salary. Davies, 109 Alexandra Drive, Surbiton, Surrey.

A.—QUALIFIED Scot (25), tall; accurate Dispenser, Photography; as Manager or Assistant. "Chemist," 17 Wormholt Road, W.12.

A QUALIFIED Manager (28), all-round experience, including Company and West End, seeks post; recently opened and worked up a new business for a high-class firm; excellent references. Apply G. Roxburgh, 21 Howards Lane, Putney, S.W.15.

A SMART Qualified Chemist (28, height 5 ft. 11 in.) seeks post as Manager or Senior Assistant with good-class Chemist; preferably South, where personality and Salesmanship count. Phone Pollards 4131. Wood, 25 Northanger Road, S.W.16.

A N Industrious Scot (28) seeks permanency; Senior or Branch Management; 6 years' qualified all-round experience; excellent references. Robertson, Old Mill, New Cumnock, Ayrshire.

A S Locum, Manager or Assistant. "not registered"; over 30 years' London experience; whole or part time; Counter, Book-keeper, Dispensing and worker; London only. "Prescriber," 130 Scott-Ellis Gardens, N.W.8.

A CTIVE, alert, energetic Chemist (60), 30 years own good-class business; West-End experience; nominal salary for supervising position in large well-established concern. 546/32, Office of this Paper.

A DVERTISER, Unregistered (42); active, tall; thoroughly experienced; abstainer; can help in Post Office if wanted; just disengaged. Sanders, 93 Bulstrode Road, Hounslow.

A SSISTANT, Unqualified (24) desires permanency where conscientious hard work is appreciated and rewarded; used to high-class Dispensing, Counter work and Window-dressing; excellent provincial and West End experience; if you will grant an interview please apply 545/35, Office of this Paper.

A SSISTANT, Qualified, married, middle-aged; competent, accurate Dispenser; London or suburbs preferred; moderate salary. 547/31, Office of this Paper.

ASSISTANT, Qualified (24), "absolutely reliable," requires post; N. or N.W. district preferred; temporary Christmas work not desired; salary approx. £3 10s. Cruse, 90 St. Paul's Avenue, Kenton, Middlesex.

CAPABLE Chemist (37), tall, requires position; own business for 11 years; personality and initiative; would consider small partnership. Please state wage offered to 547/22, Office of this Paper.

CHEMIST, experienced; 11 years' Management (35); tall, complete knowledge wet Therapeutics, Counter, Prescribing; highest-class private Dispensing experience; also store experience; take charge Agricultural business, any size, including Buying, or other responsible management. Simister, 105 Kingsnorth Road, Ashford, Kent.

CHEMIST offers evening help; Wood Green district preferred. Pharmacist, 9 Alfoxton Avenue, Harringay, N.15.

CHEMIST, Qualified, also Optics (28); Assistant or Manager; 10 years' experience; wages £4; free one month. 545/13, Office of this Paper.

FRANCIS & CO. (WREXHAM), LTD., strongly recommend a young Qualified Assistant; good knowledge of Dispensing, Photography, Counter routine and Window-dressing.

GENTLEMANLY Unqualified Assistant (40); well conversant with all departments; sound London and provincial references. Barnes, 21 Disraeli Road, Putney, S.W.15.

JUNIOR (20); keen, energetic, reliable; good references; accustomed to good-class Dispensing and Counter business; moderate salary. 545/30, Office of this Paper.

LADY Assistant Dispenser desires post (Hall); whole or part time; experienced; good references; Brighton or vicinity. 8 Prestonville Road, Brighton.

LADY Dispenser, "Hall," requires post part time or locum; Doctors or Institutions; 10 years' experience in Hospital and Doctors; near Newcastle or Sunderland preferred; small salary. Miss F. Brothers, 5 The Terrace, Roker, Sunderland.

LADY Dispenser (32), Hall, seeks engagement; temporary or permanent; or as locum to Chemist or Doctor; London area preferred; highest credentials; varied experience. Nicholas, 11 Lisburne Road, N.W.5.

LADY M.P.S. requires post in London; full-time, part-time or locum; excellent references; free now. 546/24, Office of this Paper.

LADY recently Qualified seeks position, any description, in or near Birmingham; excellent references; disengaged. Advertiser, 73 Church Road, Smethwick.

LOCUM, emergency relief, any period; can commence at once; full particulars. Chemicus, 56 Rudloe Road, Clapham Park, S.W.12.

LOCUM or permanency, Qualified Pharmacy, Optics; keen, capable; any period; abstainer; F.B.O.A. (Hons.). 59 Bayford Road, Littlehampton.

MANAGER or Senior (35), Qualified; competent, reliable; locum or temporary position entertained; disengaged. Chemist, 50 Grove Lane, Camberwell, S.E.5.

MANAGER Senior Assistant; capable, obliging, honest; Qualified Chemist (44); excellent references; moderate salary; Manchester district preferred, not essential. 545/31, Office of this Paper.

MORNINGS, Evenings; experienced lady Dispenser (24); Hall qualification; East, City or West London. Vicarage, 400 Commercial Road East. Phone East 1739.

M.P.S. M.I.C.O., own complete Optical equipment; free December 27; locum or permanent; young. 22 Victoria Avenue, Porthcawl, Glamorgan.

M.P.S. (42, 5 ft. 7 in.) seeks post Assistant, Manager or Representative; over 20 years' experience Counter and Dispensing; disengaged; interview appreciated. 547/30, Office of this Paper.

M.P.S. REGISTERED N.P.U., as locum; permanency preferred; free now. Chemist, 37 Sackville Gardens, Ilford.

QUALIFIED Chemist (38), as Manager; London and provincial experience; company and private; good Buyer and Salesman; capable organiser; change desired owing to present employers giving up business; free at short notice if necessary. 547/16, Office of this Paper.

QUALIFIED, Experienced, Manager or Assistant; meantime in London, desires post with first-class Chemists where real ability and courteous manner can command good salary; tall, smart appearance; energetic; able to control staff, train apprentices and keep books; Scot; age 27. 547/6, Office of this Paper.

QUALIFIED Lady (25), with good Dispensing and Counter experience, requires locum or permanency; capable of taking charge. 546/17, Office of this Paper.

QUALIFIED Lady seeks post, Assistant or Manageress; excellent references; experience in all branches; free now; interview appreciated. 547/36, Office of this Paper.

QUALIFIED Manager, business builder, seeks responsible position; Middlesex or South Coast district; tactful Salesman; domestic reasons. 546/28, Office of this Paper.

QUALIFIED Optician; 10 years' varied, exceptionally good experience (unqualified) in Pharmacy; desires post to gain experience in sight-testing; living salary required; London preferred. H. N. Foote, F.S.M.C., F.I.O., 8 Rutley Gardens, S.E.11.

QUALIFIED M.P.S., M.I.C.O., seeks re-engagement; long experience in West End Management; highest references. W. B. Lounds, 44 Clovelly Road, Ealing.

QUALIFIED (40, married); part time; morning or afternoon; Dispensing or Counter; fully experienced; highest references. Edgware line preferred. 545/24, Office of this Paper.

QUALIFIED (23, 5 ft. 9 in.); Counter, Dispensing, D. & P.; anywhere; lower salary for Tuition in Optics. 547/28, Office of this Paper.

QUALIFIED (24), tall; 4½ years' experience; capable Dispenser; as Assistant preferred. Watkins, 7 Haven Terrace, Broadway, Ealing.

QUALIFIED (23) desires situation in good-class Dispensing Business; satisfactory references; experienced all branches; disengaged. Sydney C. Cox, Darley Abbey, Derby.

QUALIFIED (46), single, seeks position as Dispenser; could manage; experienced; good references. "Statim," 46 Argyle Square, King's Cross, W.C.1.

SITUATION Wanted; Qualified; good Counterman and Dispenser; highest references; disengaged. Beta, 76 Thorpedale Road, N.4.

UNQUALIFIED; 20 years' London experience; any capacity; London or near. H. S. A., 38 Lydford Road, Paddington, London, W.9.

35s. WEEKLY.—Unqualified Man; good references; reliable Dispenser, Counterman; full or part time; London only; for winter season. 545/7, Office of this Paper.

£2 WEEKLY (outdoor); Lady, Qualified "Square"; experienced locum; good references; would accept above salary; restart permanency; London, West End only. Hughes, 64 Hereford Road, Bayswater, W.2. Tel.: Bayswater 4109.

WHOLESALE.

A FIRST-CLASS Representative in the Toilet and Perfumery Trade seeks a change; has a connection in the South of England of years' standing; present firm 5 years; own car; salary, expenses, commission or expenses and commission with draw. 547/9, Office of this Paper.

A LIVE Representative; extensive connection London and Greater London, Chemists and allied trades; now representing reputable Manufacturing House, desires change; proprietary preferred; excellent records and credentials; salary, commission; own car. Particulars 547/38, Office of this Paper.

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